INSTRUCTION MANUAL
AX90021-I001

TRAIL PROVEN OFF-ROAD PERFORMANCE

SCX10™

DINGO™

BUILDER'S KIT

1/10th SCALE ELECTRIC 4WD

ADVENTURE SERIES



axial®

www.axialracing.com

SCX10

CAUTIONS

To prevent serious personal injury and/or property damage, operate all remotely controlled models in a responsible manner as outlined herein.

CHOOSE THE RIGHT PLACE TO OPERATE YOUR R/C MODEL.

- Do not run on public streets or highways. This could cause serious accidents, personal injuries, and/or property damage.
- Never run R/C models near people or animals.
- To avoid injury, do not run in confined spaces.
- Do not run where loud noises can disturb others, such as hospitals and residential areas.
- Never run indoors. There is a high risk of fire and/or damage.

INSPECT YOUR MODEL BEFORE OPERATION.

- Make sure that all screws and nuts are properly tightened. It is also a good idea to use removable thread lock wherever metal screws go into metal, especially for engine mounts and the engine pilot shaft.
- Always use fresh batteries for your transmitter and for your receiver to avoid losing control of the model.
- Always test the brakes and throttle before starting your engine to avoid losing control of the model.
- Make sure no one else is using the same radio frequency as you are using.

AFTER OPERATION OF YOUR R/C MODEL

- Turn off receiver first, then turn off transmitter, this will prevent runaways.
- Be careful when handling batteries, they will be hot after running.
- Replace any batteries that have been dented or have frayed wires, short circuits can cause fire.
- Be sure to keep your R/C model clean and free of excess dirt and grease, this will increase the life.

VORSICHT!

Um Verletzungen an Personen und/oder Sachschäden zu vermeiden, sollten alle ferngesteuerten Modelle sorgfältig und verantwortungsbewusst bedient werden,wie nachfolgend beschrieben.

Wählen Sie den richtigen Platz zum Fahren

- Fahren Sie niemals auf öffentlichen Straßen. Dies könnte Verkehrsunfälle, Personen schäden oder Sachschäden verursachen.
- Fahren Sie niemals in der Nähe von anderen Personen oder Tieren.
- Fahren Sie niemals auf belebten Straßen.
- Fahren Sie nie in der Nähe von Wohnhäusern oder Krankenhäusern. Der Lärm könnte andere Personen stören.
- Fahren Sie niemals in Innenräumen. Dort könnte etwas beschädigt werden.

Überprüfen Sie Ihr Modell, bevor Sie es in Betrieb nehmen.

- Gehen Sie sicher, dass alle Schrauben und Muttern festgezogen sind. Verwenden Sie überall dort Schrauben-Sicherungslack, wo Metallschrauben in ein Metallgewinde greifen, besonders bei den Motorhaltern.
- Um Störungen zu vermeiden, benutzen Sie immer voll geladene Akkus in Ihrem Sender und Empfänger.
- Bevor Sie den Motor starten, sollten Sie immer die Funktion der Bremse und des Gashebels testen.
- Gehen Sie sicher, dass niemand mit der gleichen Frequenz fährt wie Sie.

Nach Betrieb des RC Modells:

- Zuerst den Empfänger abdrehen, dann den Sender abdrehen um unkontrolliertes Durchgehen zu vermeiden.
- Seien Sie vorsichtig mit gebrauchten Akkus, sie können nach dem Gebrauch heiß sein.
- Ersetzten Sie Akkus/Batterien die beschädigt sind oder schadhafte Kabel aufweisen, sie können Kurzschlüsse oder Feuer verursachen.
- Halten Sie Ihr Fahrzeug sauber und entfernen Sie Schmutz und Schmierfett, damit erhöhen Sie die Lebensdauer Ihres Modells.

PRECAUTIONS

Afin d'éviter toutes blessures corporelles et/ou dommages environnants, veuillez procéder en toute responsabilité comme indiqué ci-dessous

Choisir le lieu adéquat pour faire rouler votre modèle.

- Ne jamais rouler dans les rues ou sur les routes ouvertes au publique. Ceci peut provoquer de graves accidents.
- Ne jamais rouler près de personnes ou d'animaux.
- Pour éviter les blessures, ne pas rouler dans des espaces confinés.
- Ne jamais rouler où le bruit peut déranger, comme aux abords des hôpitaux ou des quartiersrésidentiels.
- Ne jamais rouler à l'intérieur: les gaz d'échappement sont nocifs.

Controler votre modèle avant chaque utilisation.

- Vérifier que les vis et les écrour sont bien serrés. Il est trés fortement conseillé d'utiliser du frein filet pour bloquer les vis qui sont en contact avec du métal et tout particulierer ment les vis du moteur.
- Toujours utiliser des batteries bien chargées pour l'émission et la réception.
- Toujours vérifier les freins et la commande des gaz avant de démarrer.
- Vérifier qu'aucune autre personne n'utilise votre fréquence radio.

Après l'Opération De Votre Modèle de R/C

- Le virage du récepteur premier, alors virage de l'émetteur, ceci empêchera des fugitifs.
- Faire attention en contrôlant des piles, ils auront chaud après avoir couru.
- Remplacer n'importe quelles piles qui ont été cabossées ou a éraillé des fils, les court-circuits peuvent causer le feu.
- Etre sûr de garder votre modèle de R/C nettoie et libère de terre et la graisse supplémen taires, ceci augmentera la vie.

Equipment needed / Benötigtes Zubehör / Equipement nécessaire

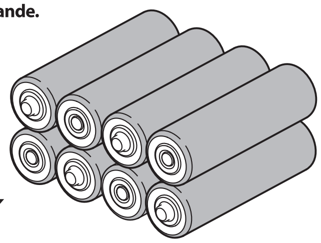
Radio Gear / Fernsteueranlage / Equipement Radio

Radio control system
• You will need a 2-Channel radio system with one servo, receiver, an electronic speed control with an ON/OFF switch.

Fernsteueranlage
• Sie werden ein 2-kanal Radio System mit einem Servo, Empfänger, eine elektronische Geschwindigkeisteuer-ung mit einem Netzschalter brauchen.

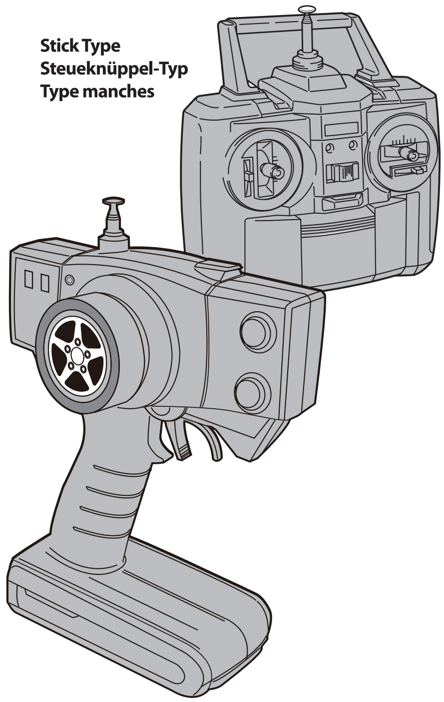
Ensemble radiocommande
• Vous aurez besoin d'un système de radio de 2 Chaînes avec un servo, lerécepteur, un contrôle de vitesse électronique avec un interrupteur(on-off).

• 8AA Alkaline Dry Batteries.
• 8 St. AA Trockenbatterien.
• 8 piles type R6 pour votre radio commande.



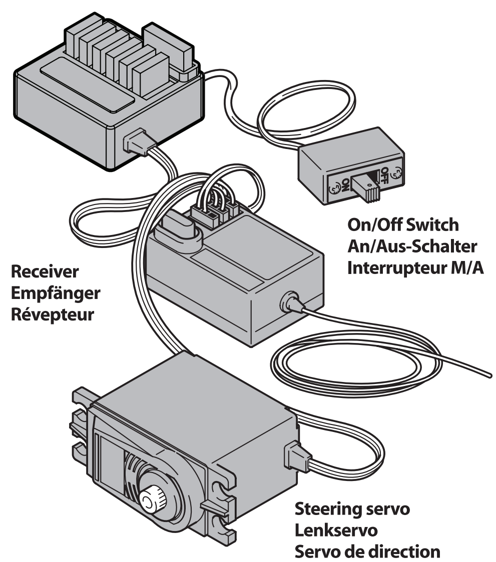
8x

Stick Type
Steueknüppel-Typ
Type manches



Wheel & Trigger Type
Pistolen-Griff Typ
Type Volant et gachette

Electronics Speed Control with Dual Motor Capabilities
Electronics Speed Control
Elecktrrischer Fahrtenregler
Contrôleur de Vitesse électronique



On/Off Switch
An/Aus-Schalter
Interrupteur M/A

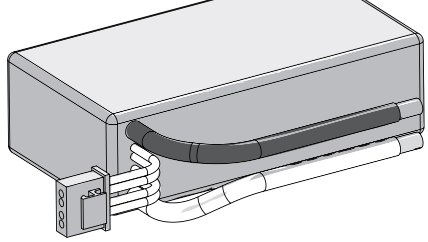
Receiver
Empfänger
Révepteur

Steering servo
Lenkservo
Servo de direction

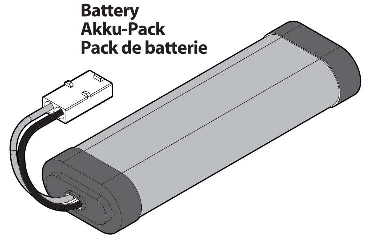
Battery / Akku / Batterie

Battery / Akku / Batterie

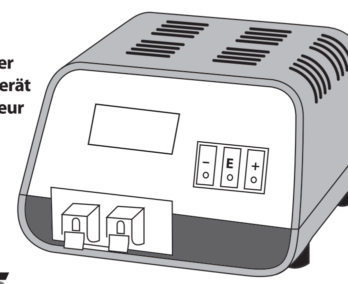
Battery :
Maximum size 30mmx25mmx90mm



Battery
Akku-Pack
Pack de batterie



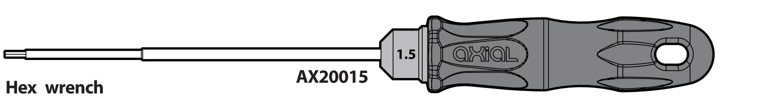
Charger
Ladegerät
Chargeur



MaxAmps.com High Performance RC

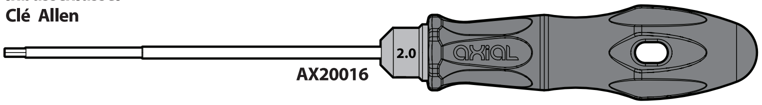
visit www.maxamps.com for a complete selection of batteries and chargers specifically for the AX10 Scorpion.

Tools Recommended / Benötigte Werkzeuge / Outillage

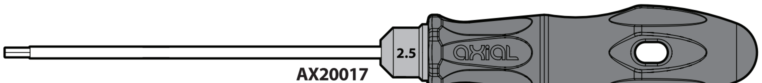


AX20015

Hex wrench
Inbusschlüssel
Clé Allen

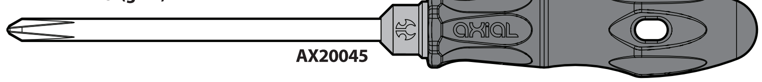


AX20016

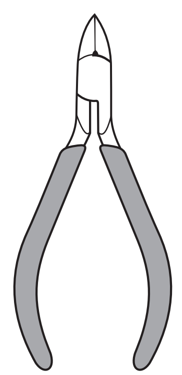


AX20017

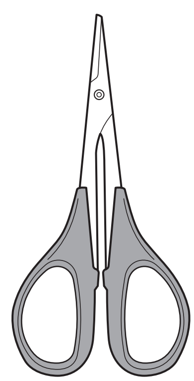
⊕Screwdriver (large)
⊕Schraubenzieher (gross)
Tournevis ⊕ (gros)



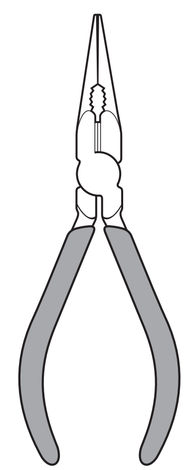
AX20045



Side cutter
Seitenschneider
Pinces coupantes



Curved scissors
Schere
Ciseaux

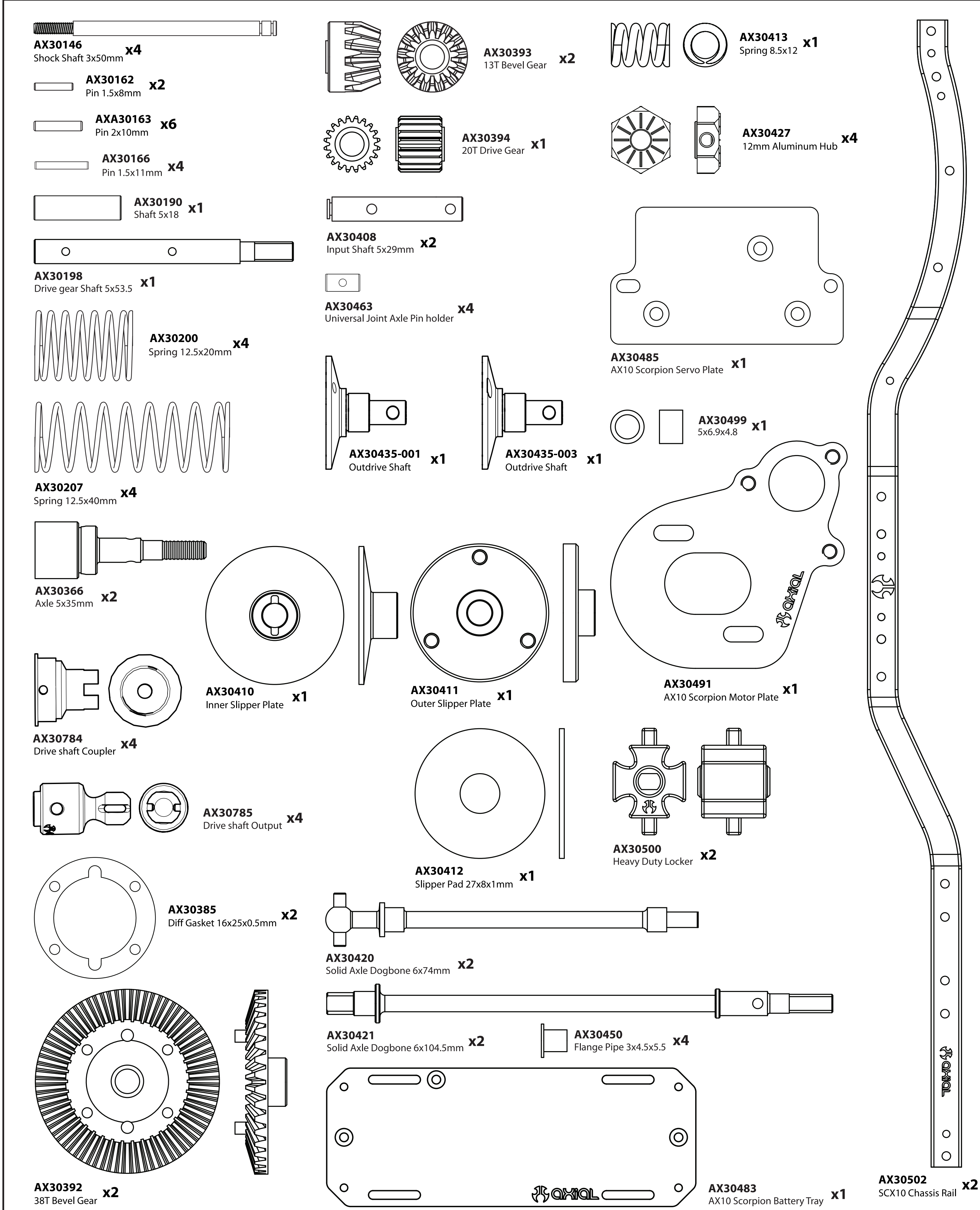


Long nose pliers
Flachzange
Pinces à becs longs

Modeling knife
Modelliermesser
Couteau de modéliste



Parts Reference / Übersicht aller Teile / Référence des pièces



AX30516
6x106mm x1

AX30524
Threaded Aluminum Pipe 6x91mm x4

AX30517
6x33mm x1

AX30578
Pinion 48DP 20T x1

AX30672
Spur 48DP 87T x1

AXA013
M2x6mm x13

AXA015
M2x10mm x32

AXA083
M3x6mm x5

AXA085
M3x10mm x4

AXA087
M3x16mm x8

AXA088
M3x20mm x1

AXA089
M3x25mm x7

AXA091
M3x30mm x1

AXA113
M3x6mm x1

AXA117
M3x15mm Hex Socket Button Head x2

AXA119
M3x20mm Hex Socket Button Head x4

AXA120
M3x25mm Hex Socket Button Head x1

AXA180
M3x3mm Set Screw x5

AXA186
3x16mm Set Screw x12

AXA433
M3x6mm x18

AXA434
M3x8mm x2

AXA435
M3x10mm Tapping Button Head x4

AXA436
M3x12mm x14

AXA438
M3x18mm Tapping Button Head x4

AXA440
M3x25mm x2

AXA463
M3x6mm Hex Socket Tapping Flat Head x5

AXA464
M3x8mm Tapping Flat Head x13

AXA465
M3x10mm x4

AXA466
M3x12mm Tapping Flat Head x6

AXA0414
M2.6x10mm x3

AXA144
M3x8mm Hex Socket Flat Head x4

AXA471
M3x30mm Hex Socket Flat Head x3

AXA1280
M3x10mm x4

AXA175
Screw Shaft M3x2.5x11mm x4

AXA176
M3x2.5x13mm Screw Shaft x8

AXA1040
M3 Thin Hex Nut x4

AX1045
M4 Nylon Lock Nut x5

AXA1052
M3 Nylon Locking Hex Nut x2

AXA1053
M3 Nylon Locking Hex Nut x11

AXA1059
6mm Body Clip x8

AXA1070
Washer 3x6x0.5mm x5

AXA1071
Washer 4x8x0.5mm x1

AXA1091
Washer 5x10x0.5mm x1

AXA1163
O-Ring 7x1mm x4

AXA1179
O-Ring 2.5x1.5mm x8

AXA1218
Bearing 5x10x4mm x4

AXA1221
Bearing 5x11x4mm x8

AXA1225
Bearing 8x16x5mm x2

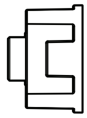
AXA1230
Bearing 10x15x4mm x6

AXA1414
6x2x3mm x1

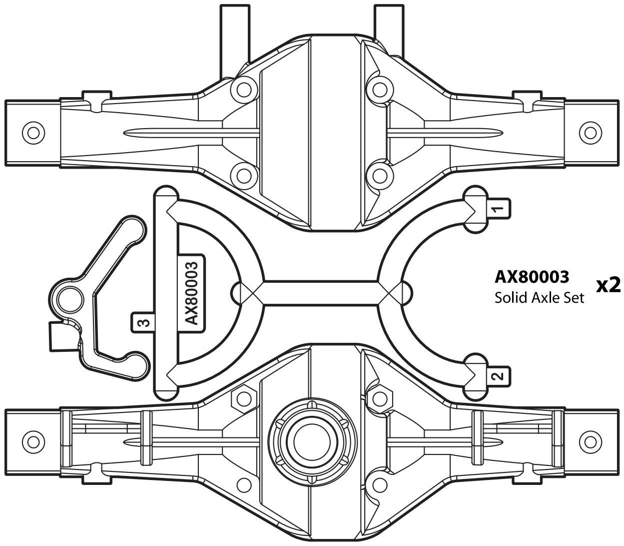
AXA1358
Shock Damper 3x7x8 x4

AXA1392
E2 e-clip x8

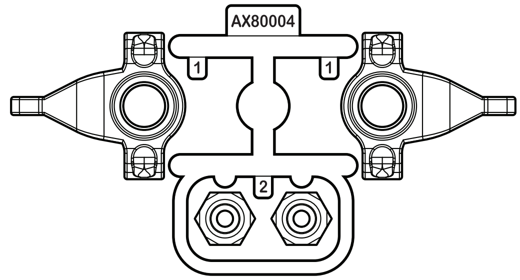
AXA1393
E2.5 e-clip x2



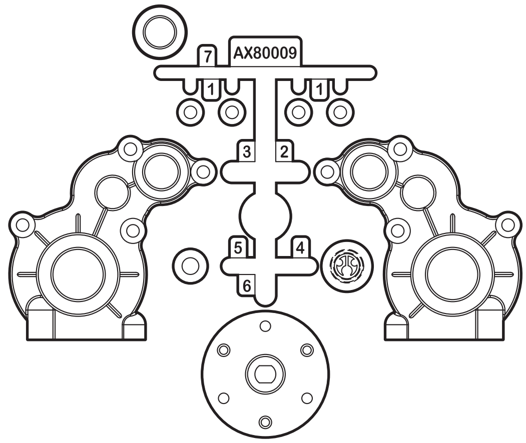
AX80002 **x2**
Diff Case



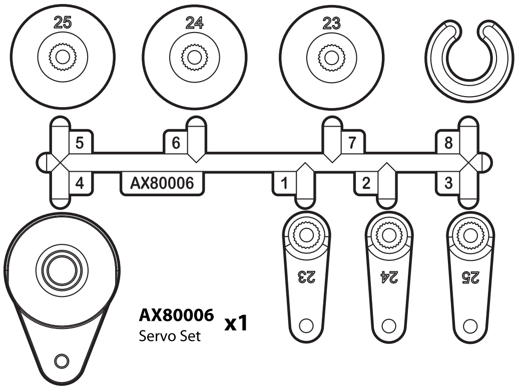
AX80003 **x2**
Solid Axle Set



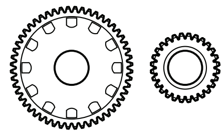
AX80004 **x1**
Hub Set



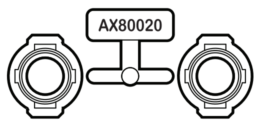
AX80009 **x1**
Transmission Set



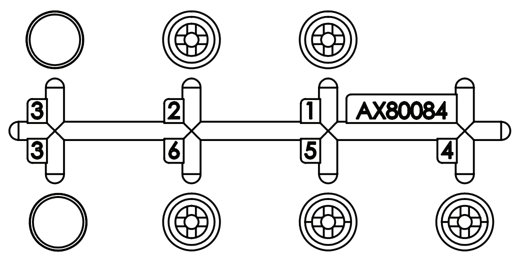
AX80006 **x1**
Servo Set



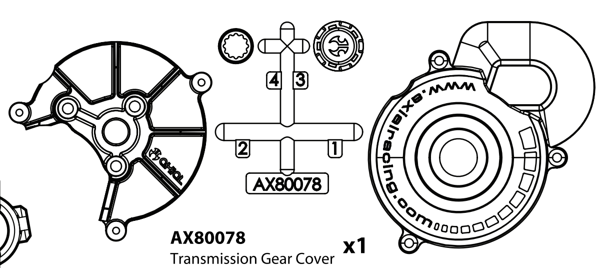
AX80010 **x1**
Gear Set



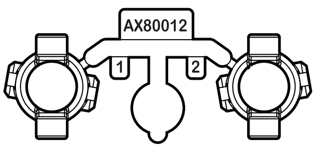
AX80020 **x1**
Straight Axle Adapter Parts Tree



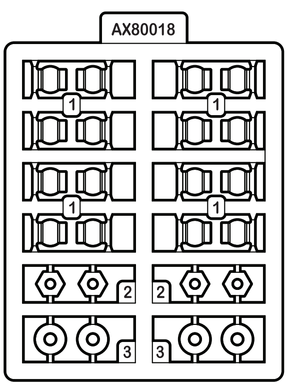
AX80084 **x2**
UV Joint Driveshafts



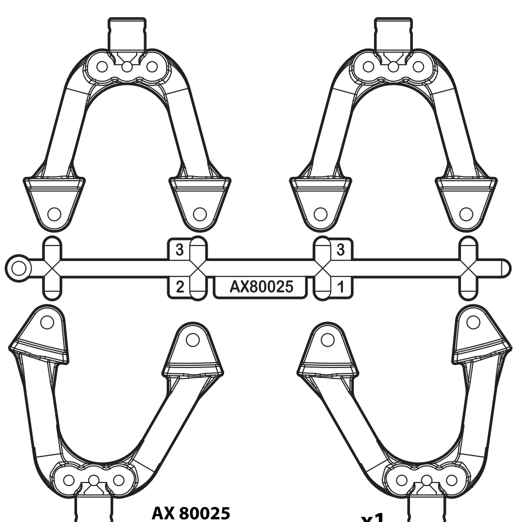
AX80078 **x1**
Transmission Gear Cover



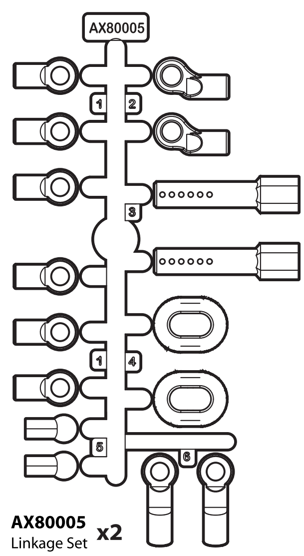
AX80012 **x1**
C Hub Carrier



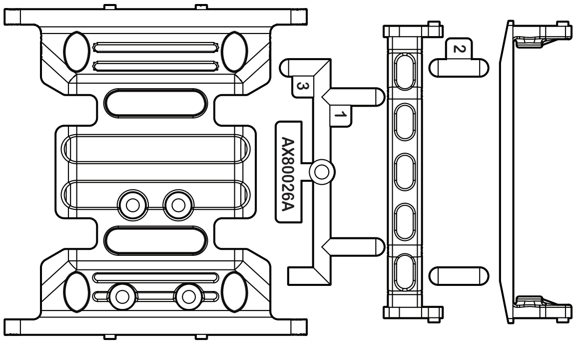
AX80018 **x2**
Hardware Parts Tree



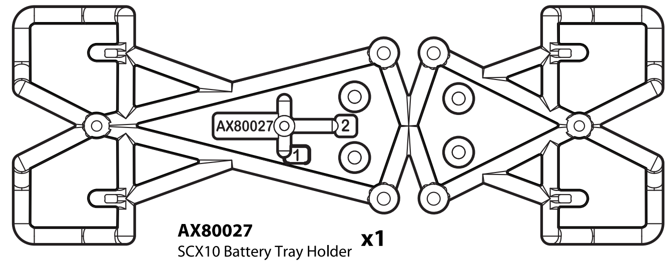
AX 80025 **x1**
SCX10 Shock Hoops Parts Tree



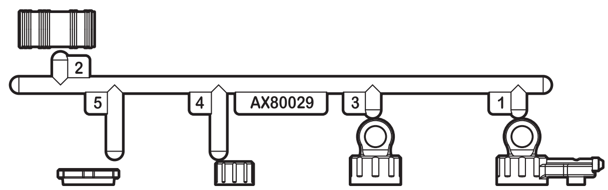
AX80005 **x2**
Linkage Set



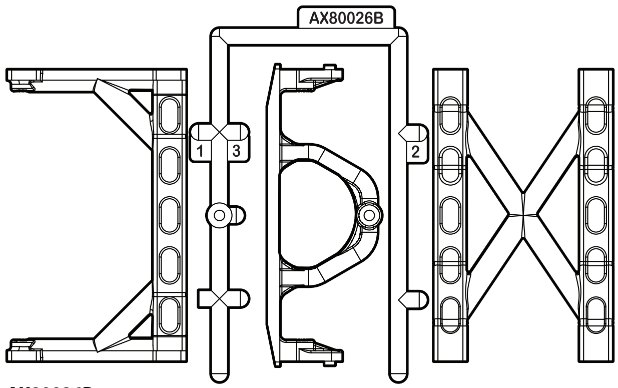
AX80026A
SCX10 Frame Brace Set **x1**



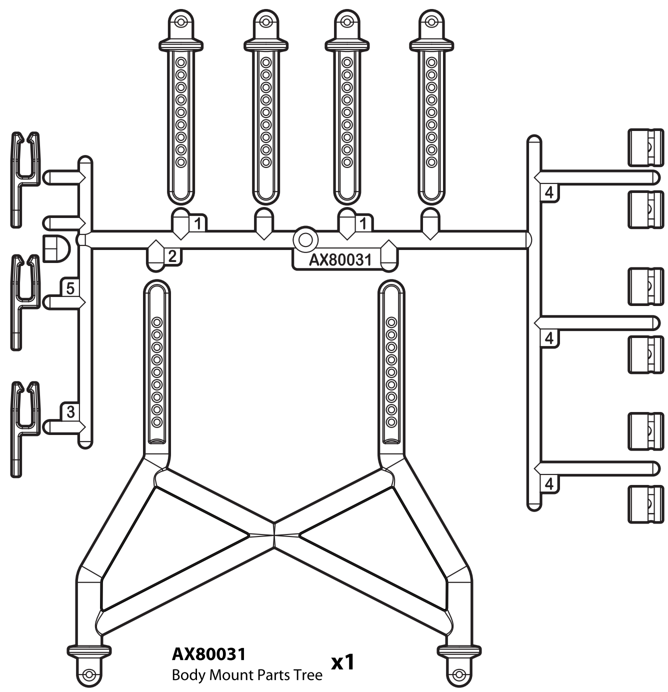
AX80027
SCX10 Battery Tray Holder **x1**



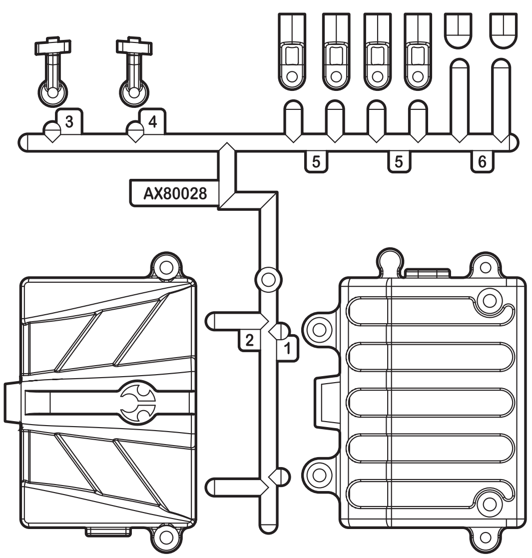
AX80029
Shock Cap Parts Tree **x4**



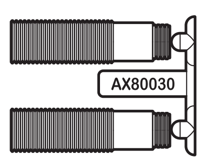
AX80026B
SCX10 Frame Brace Set **x1**



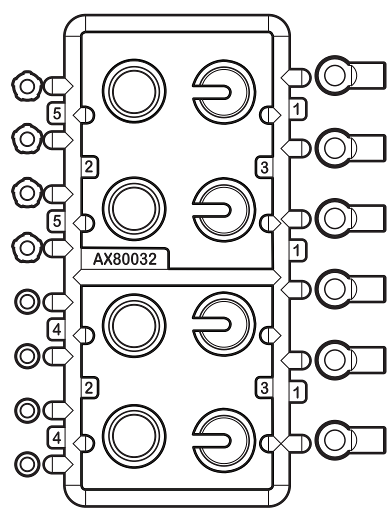
AX80031
Body Mount Parts Tree **x1**

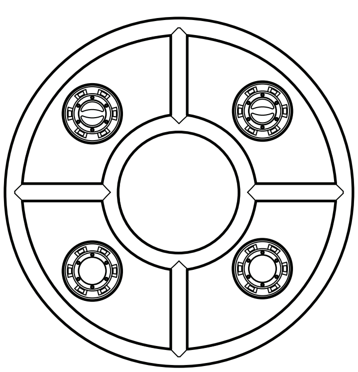


AX80028
SCX10 Radio Box Parts Tree **x1**

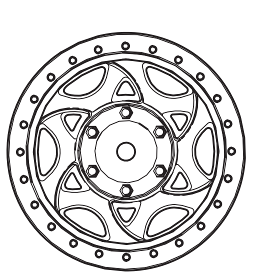


AX80030
61-90 Shock Body Set **x2**



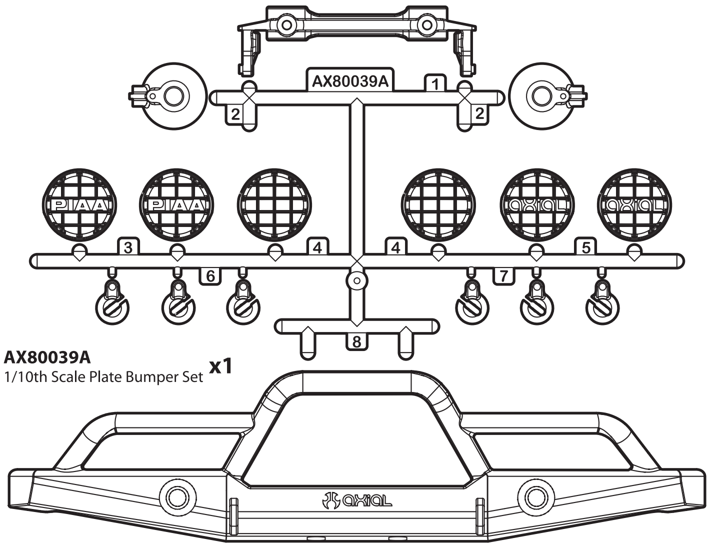


AX8087
Wheel Cap **x1**

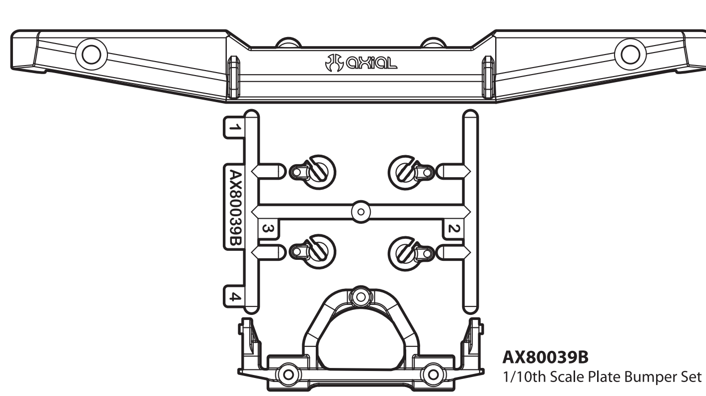


AX8138
1.9 Wheel - 26mm wide (Black) **x5**

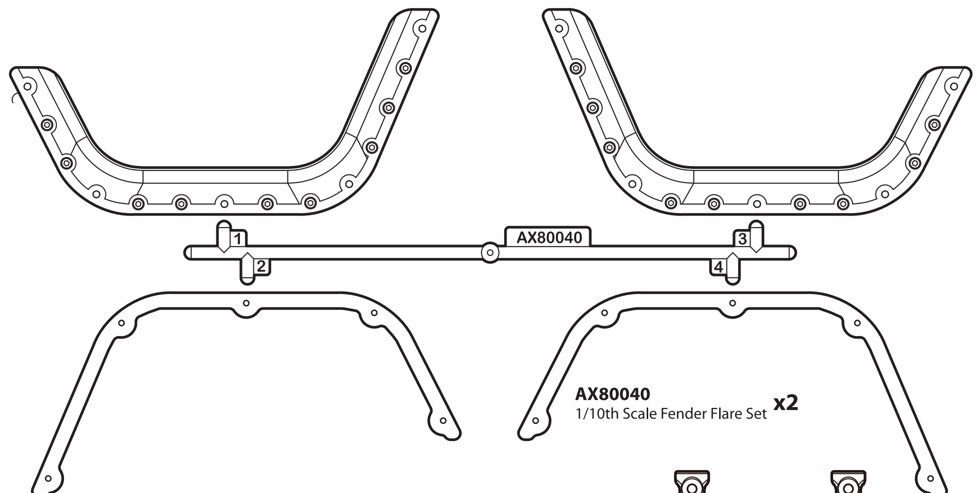
AX80032
Shock Parts **x1**



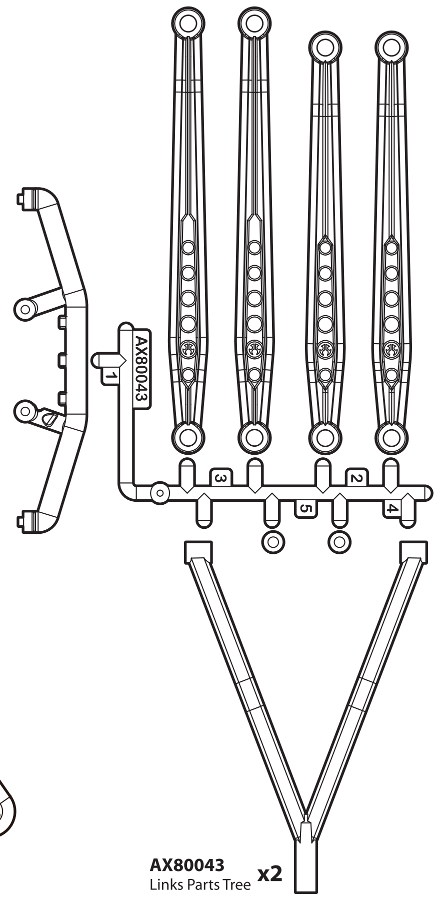
AX80039A
1/10th Scale Plate Bumper Set **x1**



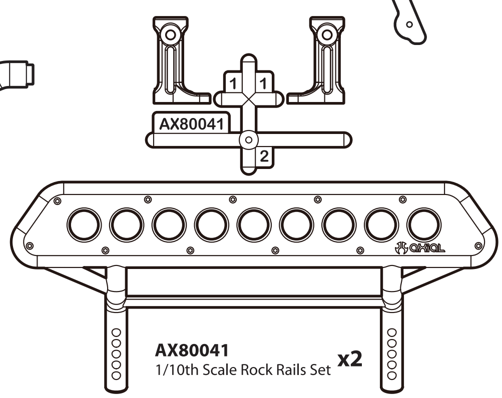
AX80039B
1/10th Scale Plate Bumper Set **x1**



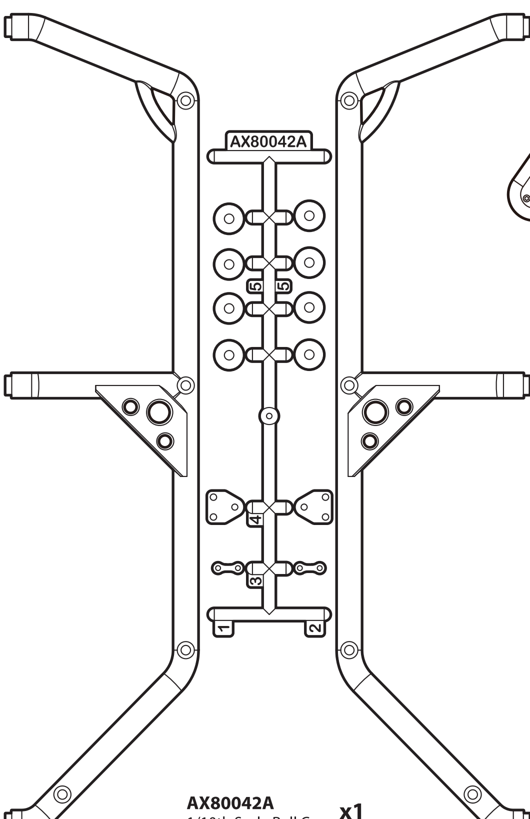
AX80040
1/10th Scale Fender Flare Set **x2**



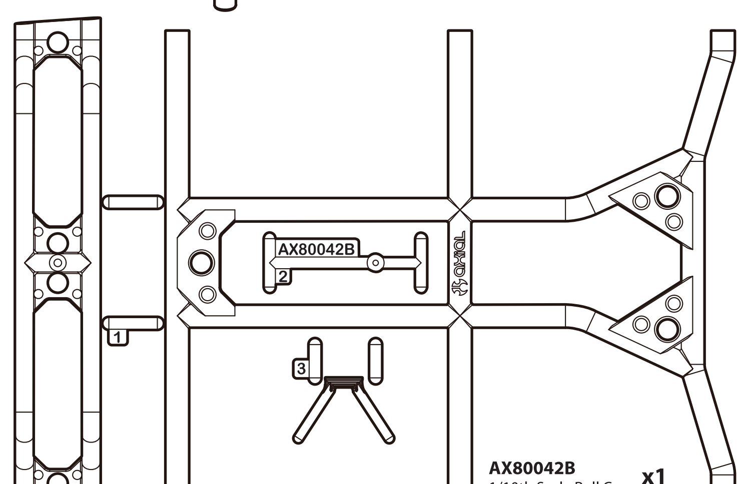
AX80043
Links Parts Tree **x2**



AX80041
1/10th Scale Rock Rails Set **x2**



AX80042A
1/10th Scale Roll Cage **x1**



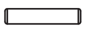
AX80042B
1/10th Scale Roll Cage **x1**


AX04026: Hardline Body
Dovetailed front and rear for extra tire clearance and rounded roof line and cab forward design help aid in driving out of roll-overs; meets all U.S.R.C.C.A minimum requirements.
AX90017
XR10 OPTION PARTS
WHEEL WEIGHT SYSTEM
AX30545: 2.2 Internal Wheel Weight Ring 57g/2oz (2pcs)
AX30546: 2.2 Internal Wheel Weight Insert 21g/0.75oz (4pcs)
For use with AX30545.
XR10 CARBON FIBER CHASIS
AX30750: XR10 Carbon Fiber Chassis Set (2pcs)
Reduce your assembled chassis weight by 25% and increase its rigidity.
AX30753: XR10 Carbon Fiber F/R Servo Mounts and Steering Arm Set
AX30752: XR10 Carbon Fiber Shock Mounts (2pcs)
ALUMINUM AXLE COMPONENTS
AX30760: XR10 Aluminum Steering Knuckle (Black) (2pcs)
AX30762: XR10 Aluminum C-Hub Carrier (Black) (2pcs)
AX30763: XR10 Straight Axle Adapters (Black) (2pcs)
GENUINE AXIAL OPTION PARTS
The Axial XR10 redefines rock crawling at the competition level straight out of the box. With multiple tuning options, modify your rig with ease to suit your driving style with additional genuine Axial option parts.
XR10
axial
www.axialracing.com

A Open Bag A



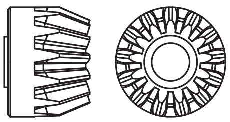
AX30408 Input Shaft 5x29mm **x1**



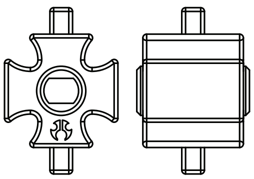
AX30163 Pin 2x10mm **x1**



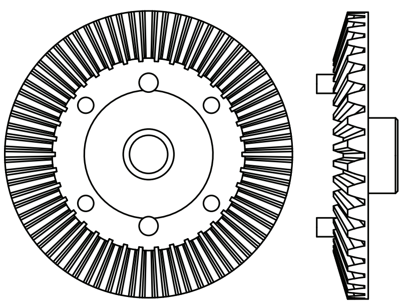
AXA1393 E2.5 e-clip **x1**



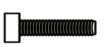
AX30393 13T Bevel Gear **x1**



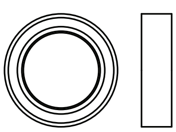
AX30500 Heavy Duty Locker **x1**



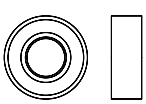
AX30392 38T Bevel Gear **x1**



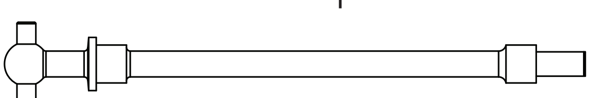
AXA015 M2x10mm **x4**



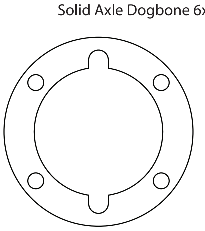
AXA1230 Bearing 10x15x4mm **x2**



AXA1221 Eearing 5x11x4mm **x2**

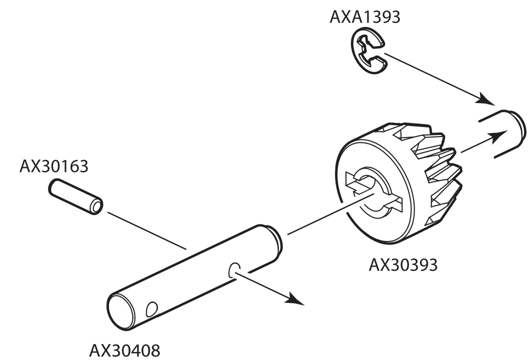


AX30420 Solid Axle Dogbone 6x74mm **x2**

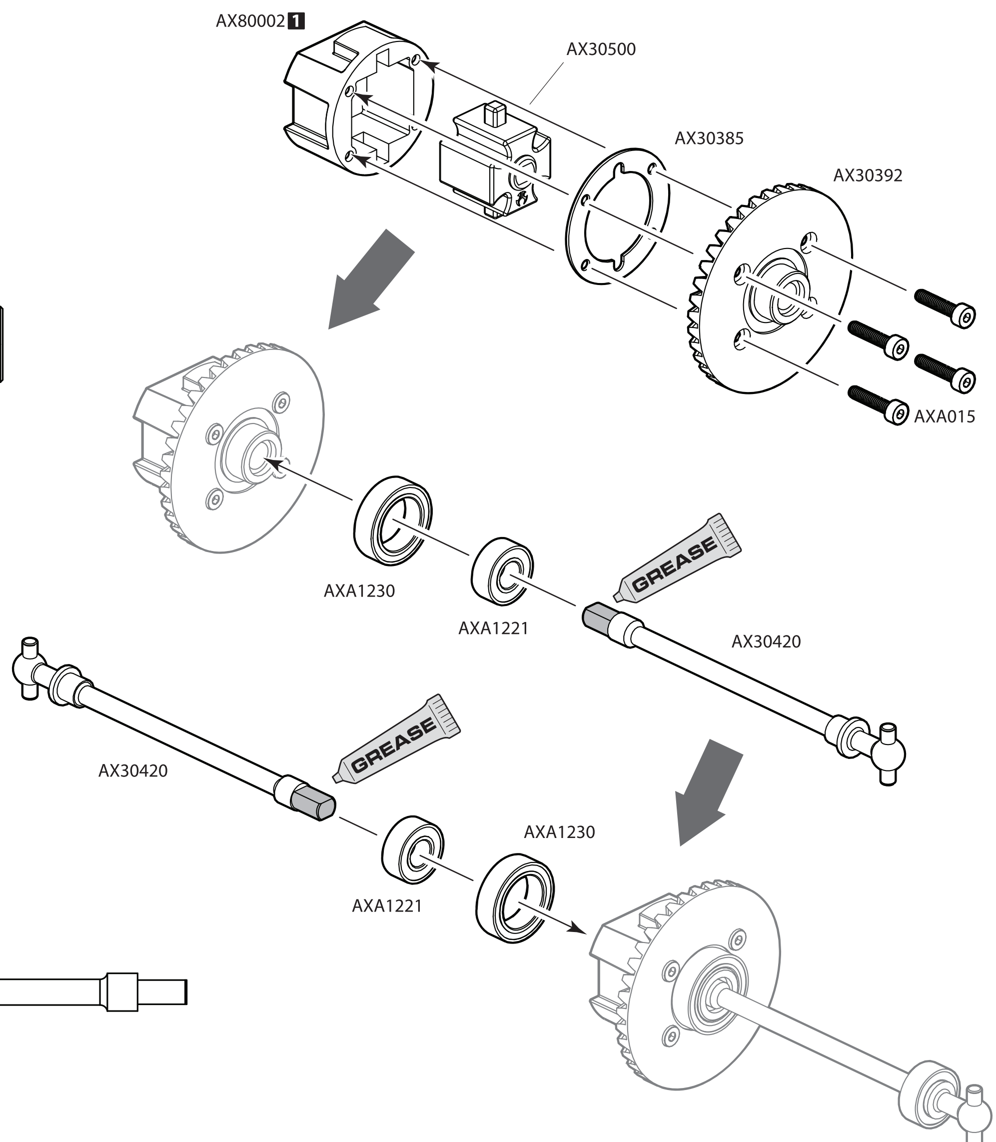


AX30385 Diff Gasket 16x25x0.5mm **x1**

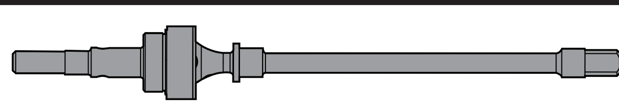
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2



Option Parts



AX30464
AX10 Scorpion Universal Joint

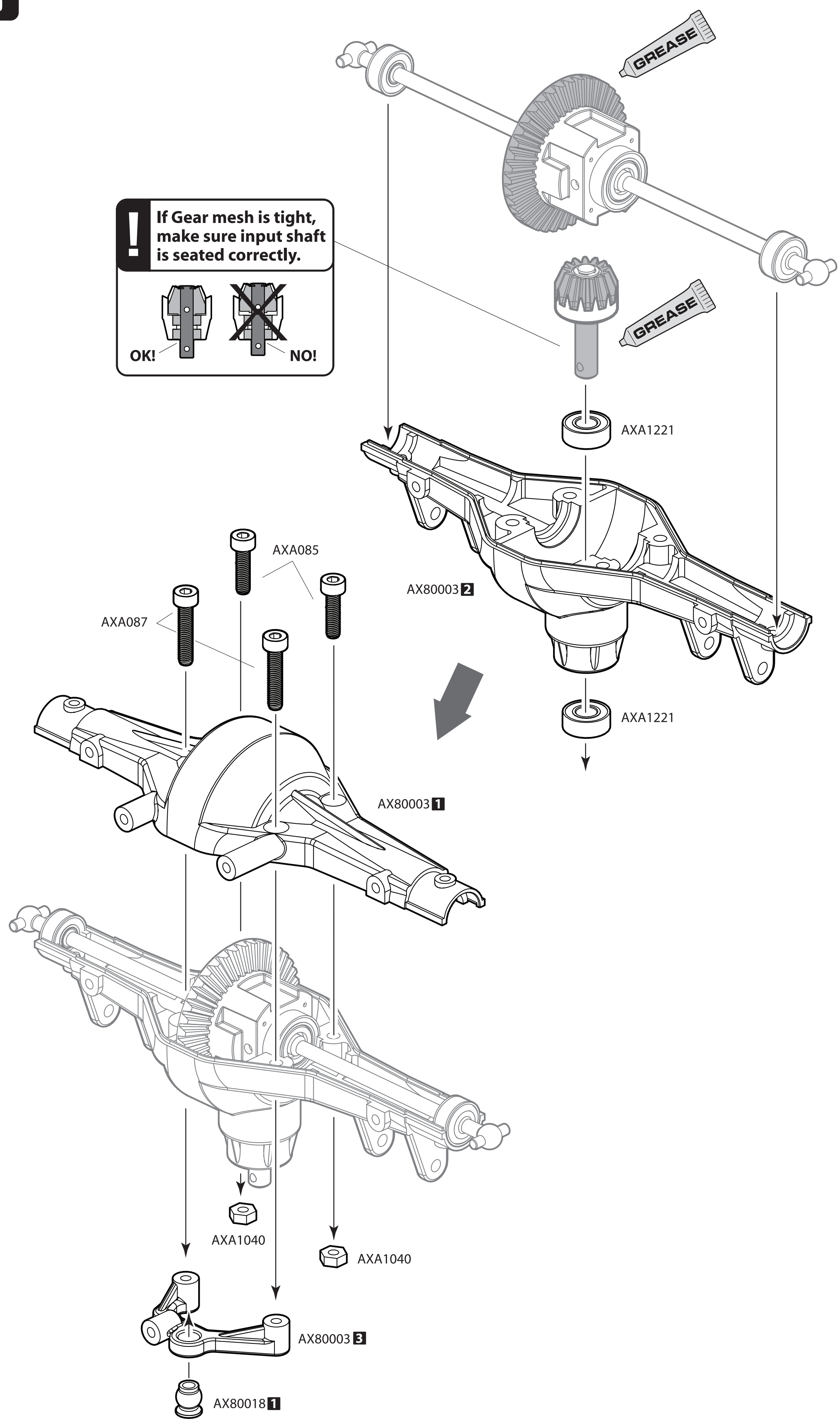
AXA1221 x2
Bearing 5x11x4mm

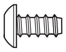
AXA085 x2
M3x10mm

AXA087 x2
M3x16mm

AXA1040 x2
M3 Thin Hex Nut

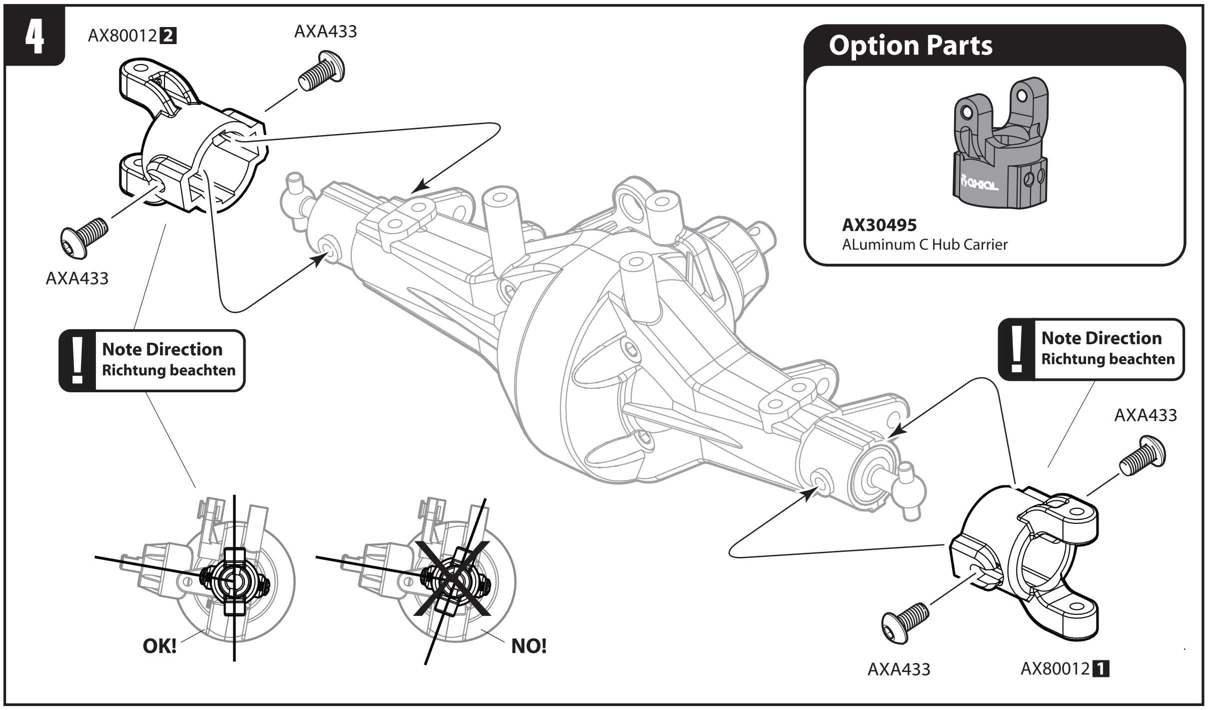
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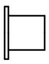




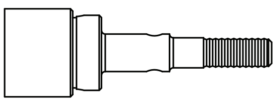
AXA433 x4
M3x6mm Tapping Button Head

4

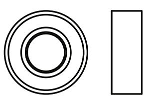




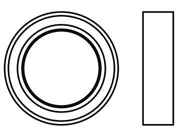
AX30450 x4
Flange Pipe 3x4.5x5.5



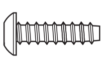
AX30366 x2
Axle 5x35mm



AXA1221 x2
Bearing 5x11x4mm

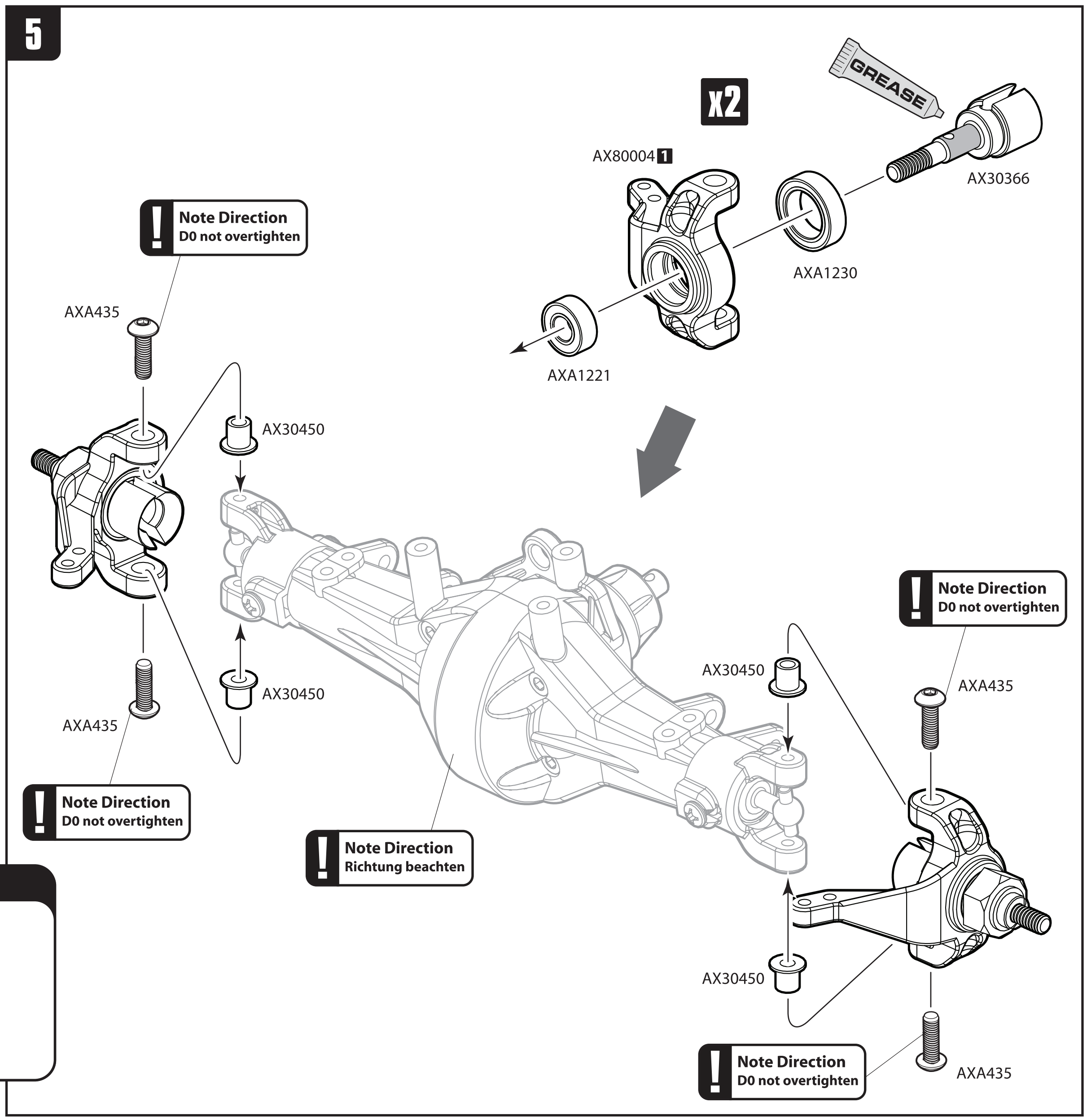


AXA1230 x2
Bearing 10x15x4mm

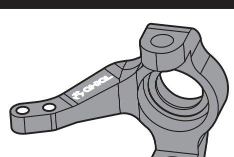


AXA435 x4
M3x10mm Tapping Button Head

5



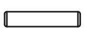
Option Parts



AX30496
Aluminum Knuckle



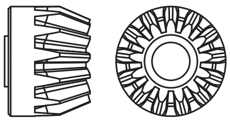
AX30408 Input Shaft 5x29mm **x1**



AX30163 Pin 2x10mm **x1**

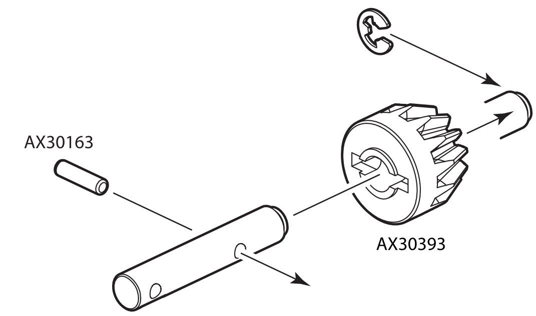


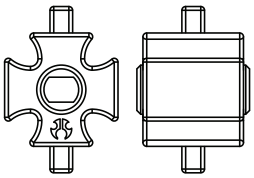
AXA1393 E2.5 e-clip **x1**



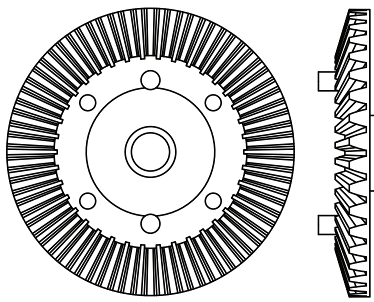
AX30393 13T Bevel Gear **x1**

6





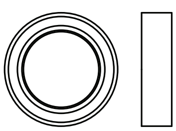
AX30500 Heavy Duty Locker **x1**



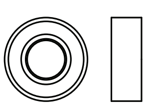
AX30392 38T Bevel Gear **x1**



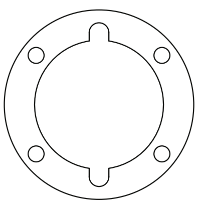
AXA015 M2x10mm **x4**



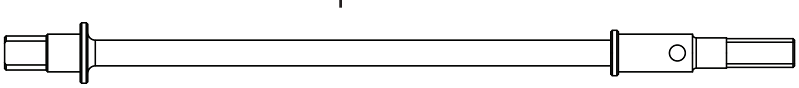
AXA1230 Bearing 10x15x4mm **x2**



AXA1221 Bearing 5x11x4mm **x2**

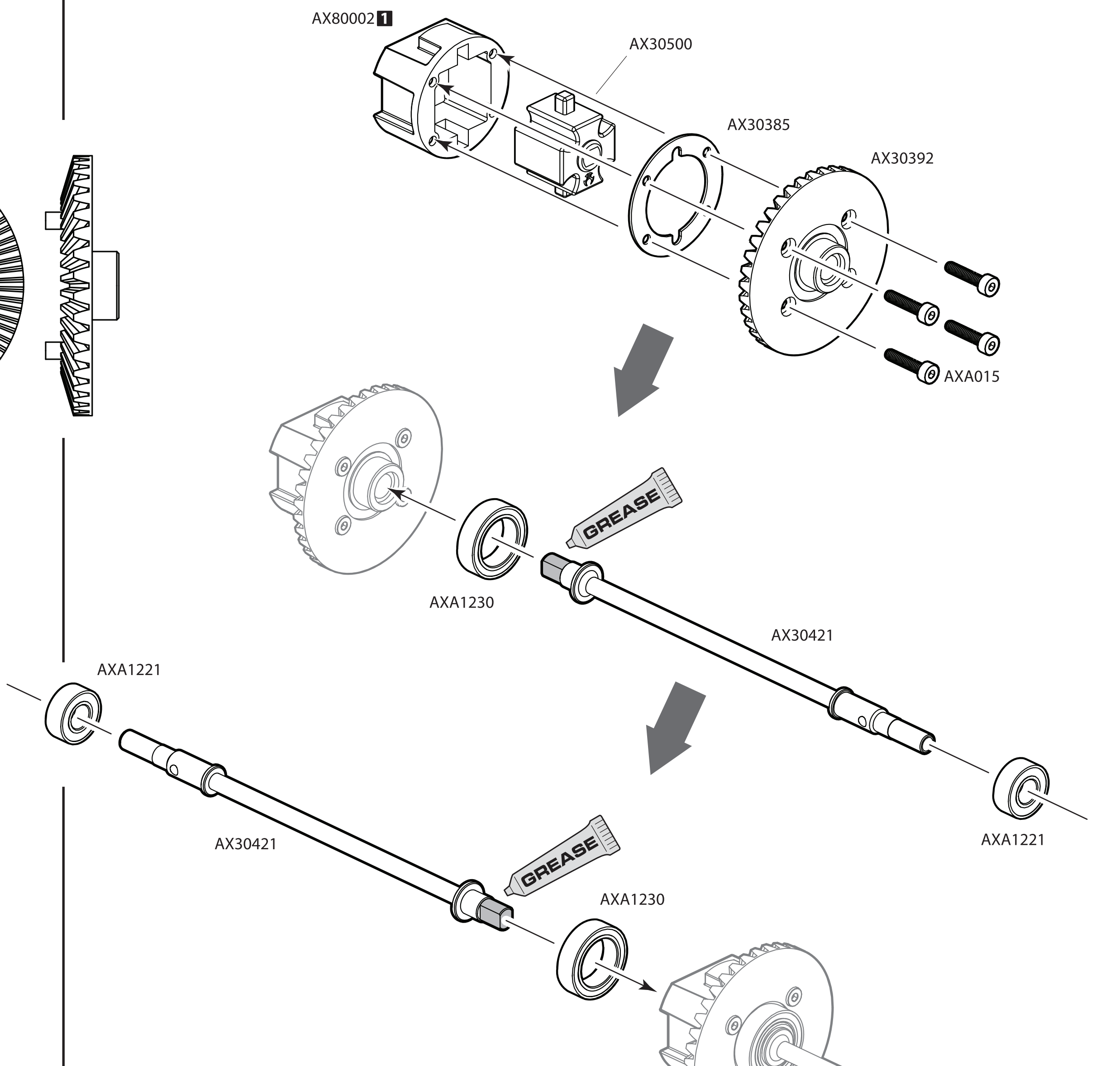


AX30385 Diff Gasket 16x25x0.5mm **x1**



AX30421 Solid Axle Dogbone 6x104.5mm **x2**

7



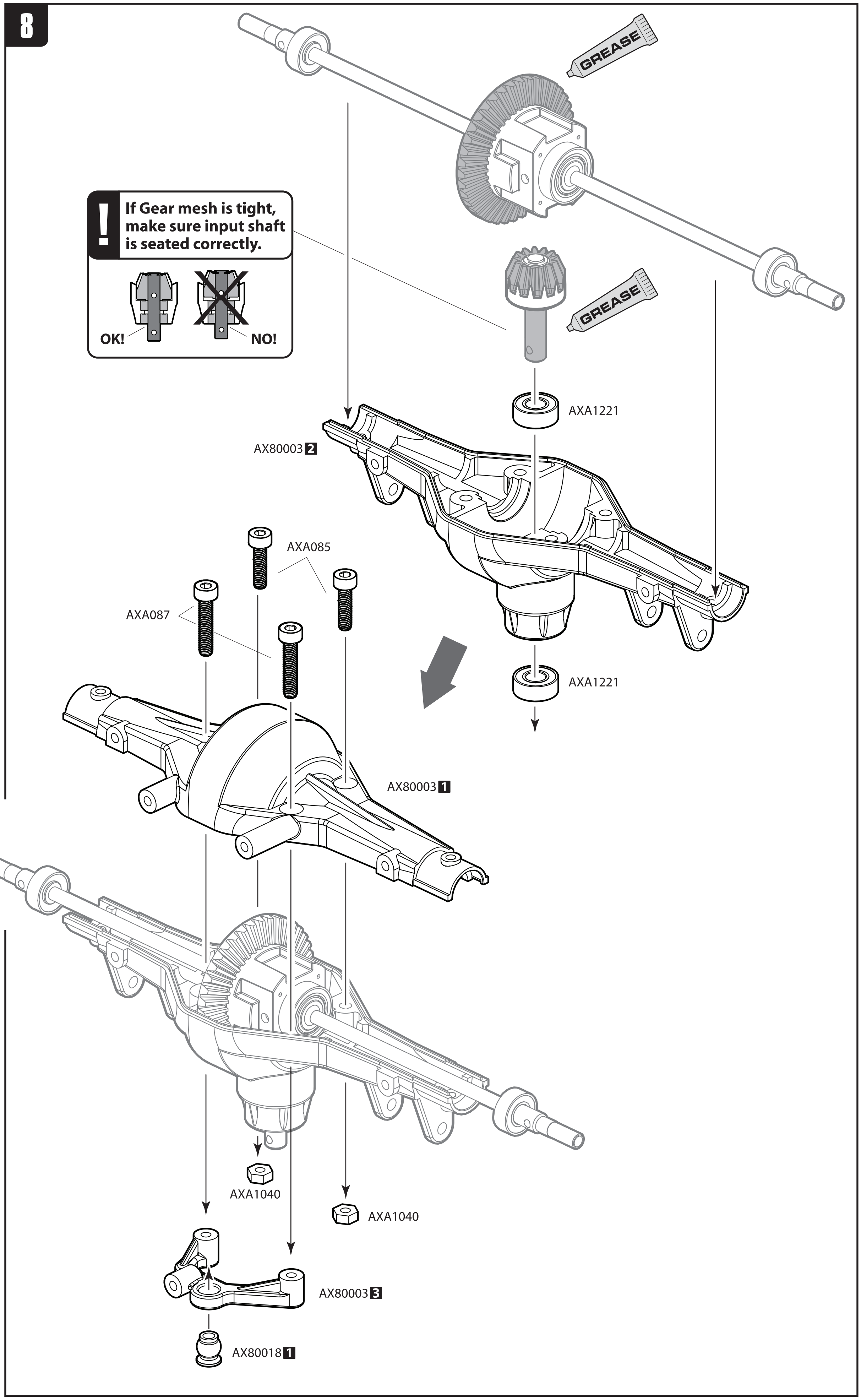
AXA1221 x2
Bearing 5x11x4mm

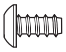
AXA085 x2
M3x10mm

AXA087 x2
M3x16mm

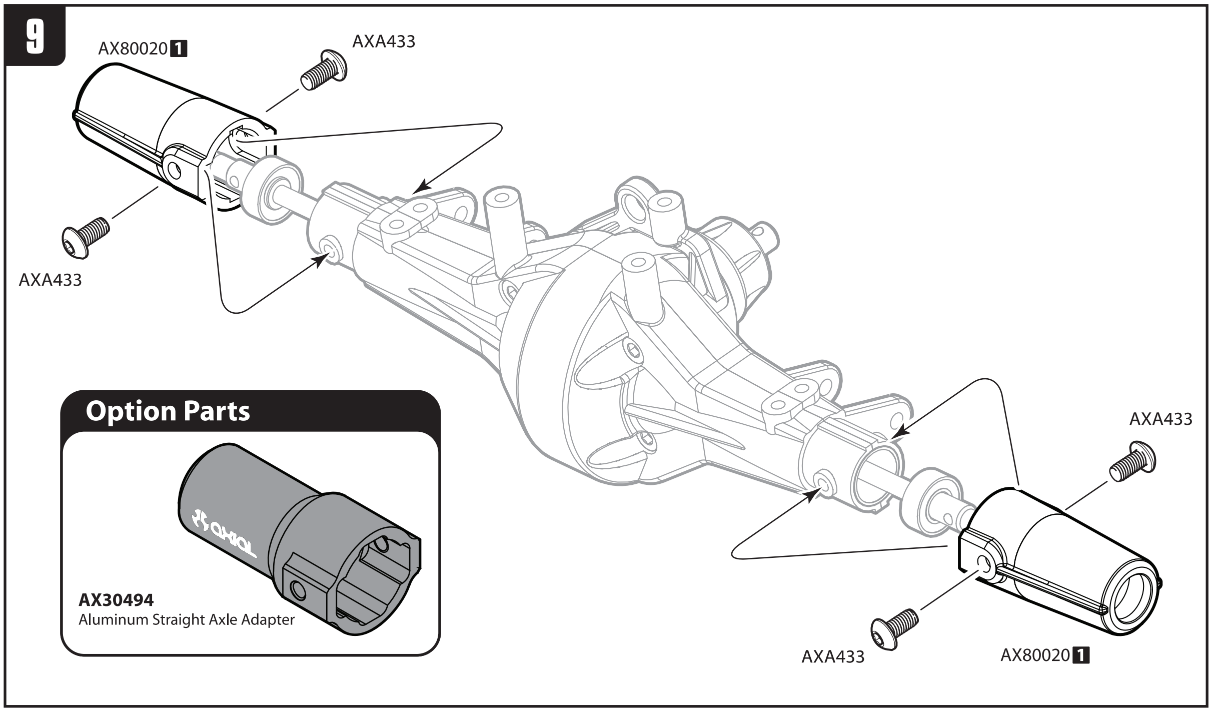
AXA1040 x2
M3 Thin Hex Nut

8

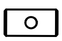




AXA433 x4
M3x6mm Tapping Button Head

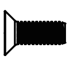


B Open Bag B

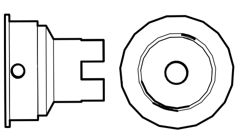


AX30463 x4
Universal joint Axle Pin holder

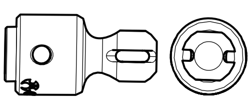
AX30166 x4
Pin 1.5x11mm



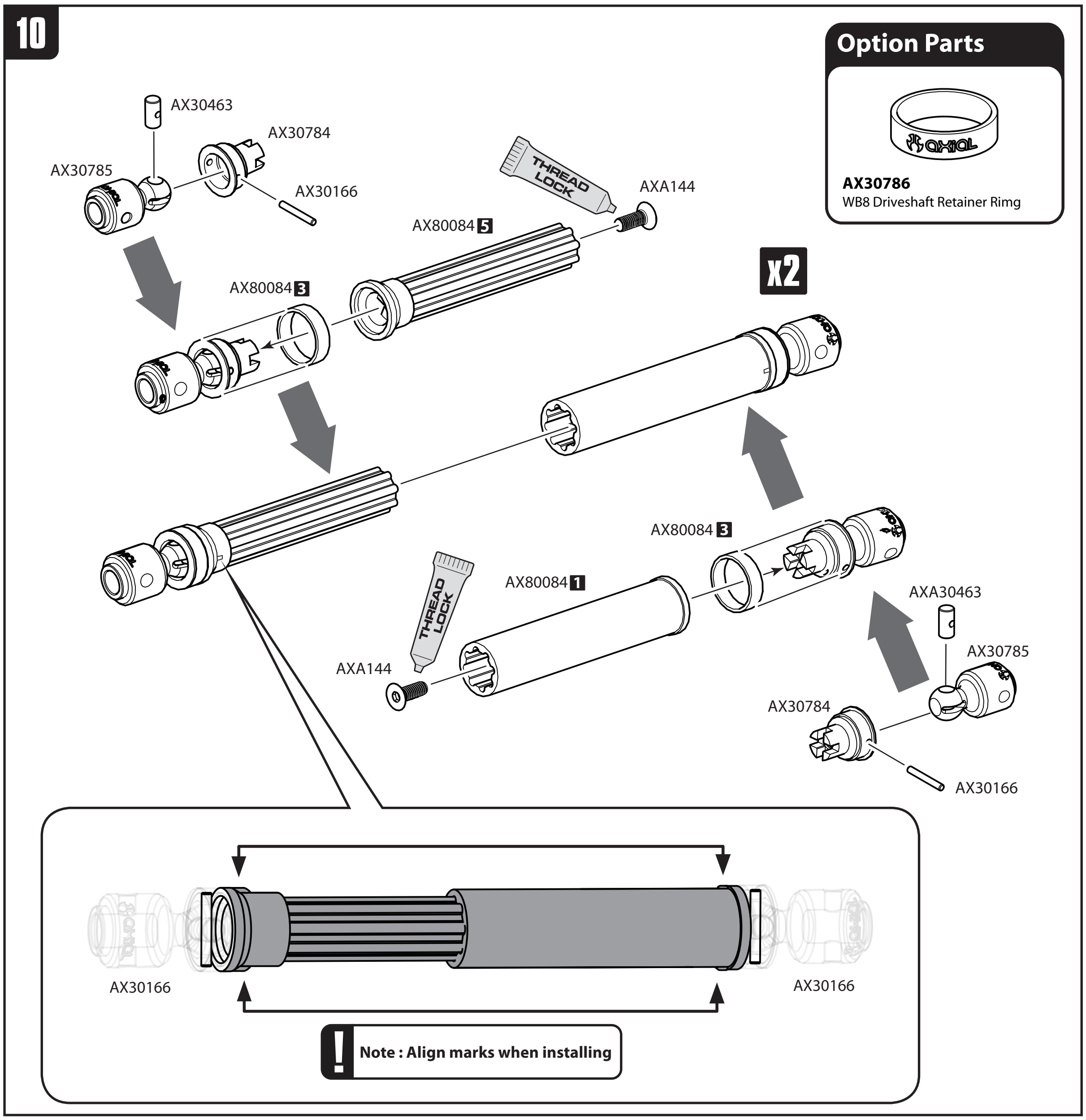
AXA144 x4
M3x8mm



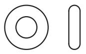
AX30784 x4
Drive shaft Coupler

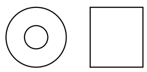


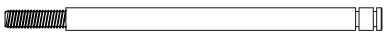
AX30785 x4
Drive shaft Output



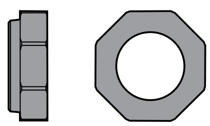

AXA1392 x8
E2 e-clip

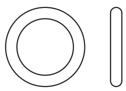

AXA1179 x8
O-Ring 2.5x1.5mm

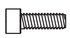

AXA1358 x4
Shock Damper 3x7x8


AX30146 x4
Shock Shaft 3x50mm

Option Parts

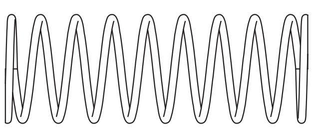

AX30115
10mm Aluminum Preload Collar

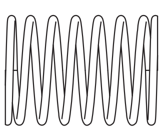

AXA1163 x4
O-Ring 7x1mm


AXA013 x4
M2x6mm

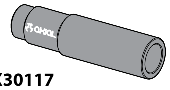
Option Parts


AX30114
Aluminum Shock Reservoir-SCX10

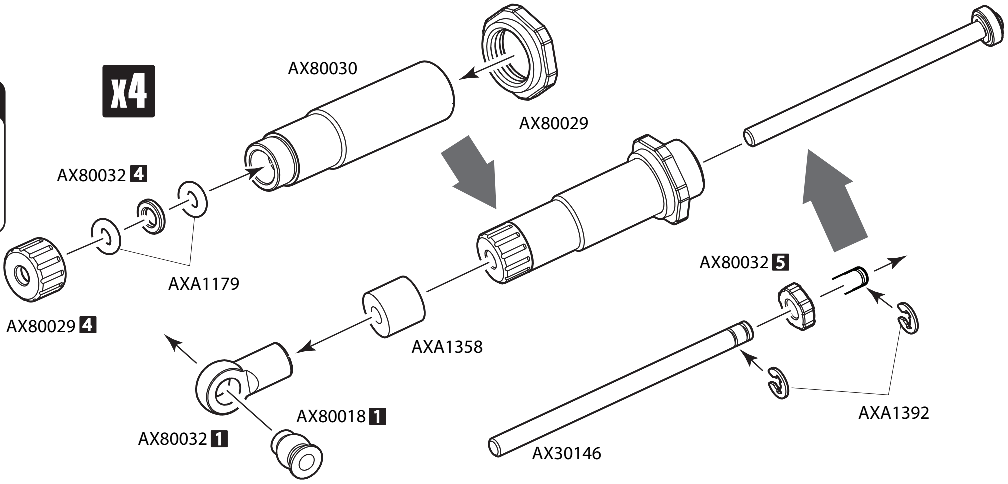

AX30207 x4
Spring 14.5x40mm


AX30200 x4
Spring 14.5x20mm

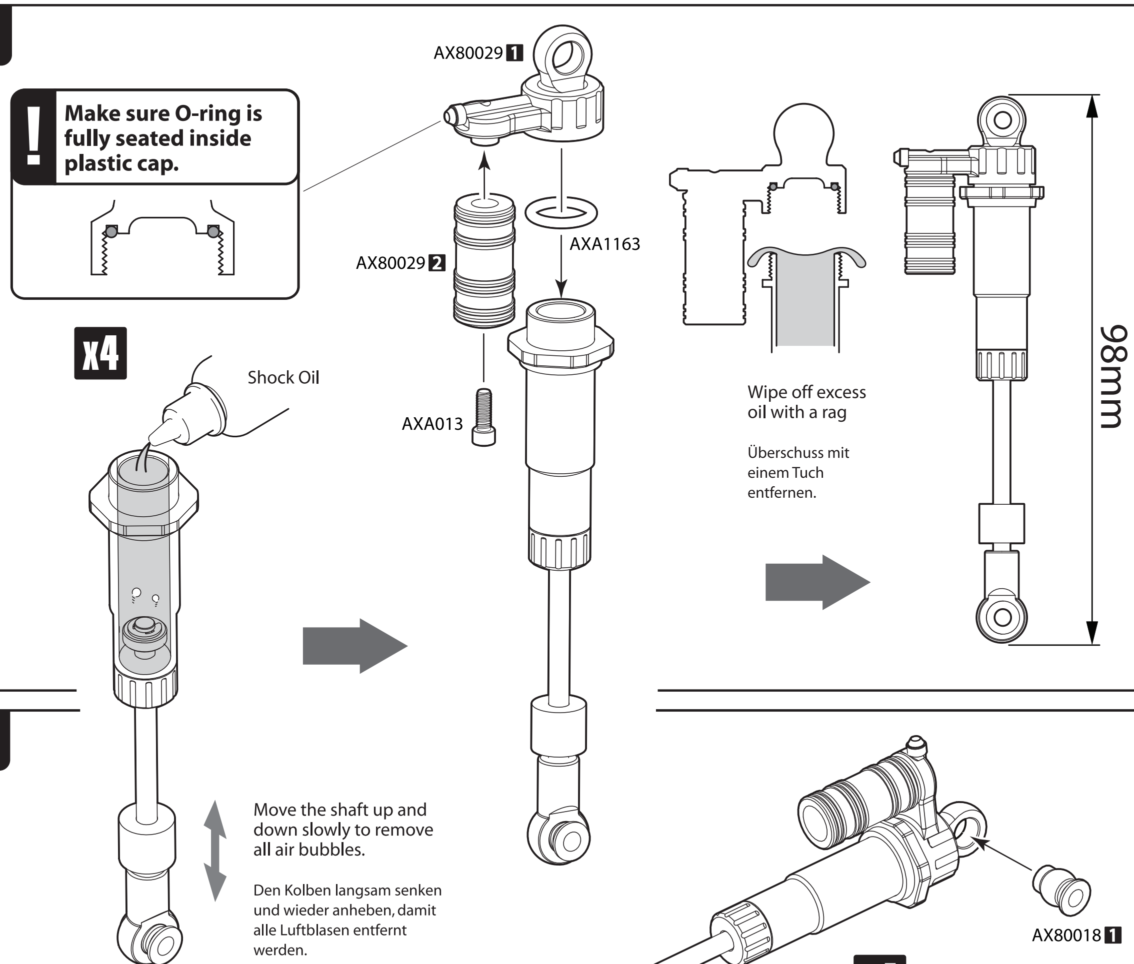
Option Parts


AX30117
Aluminum Shock Body 10x38mm

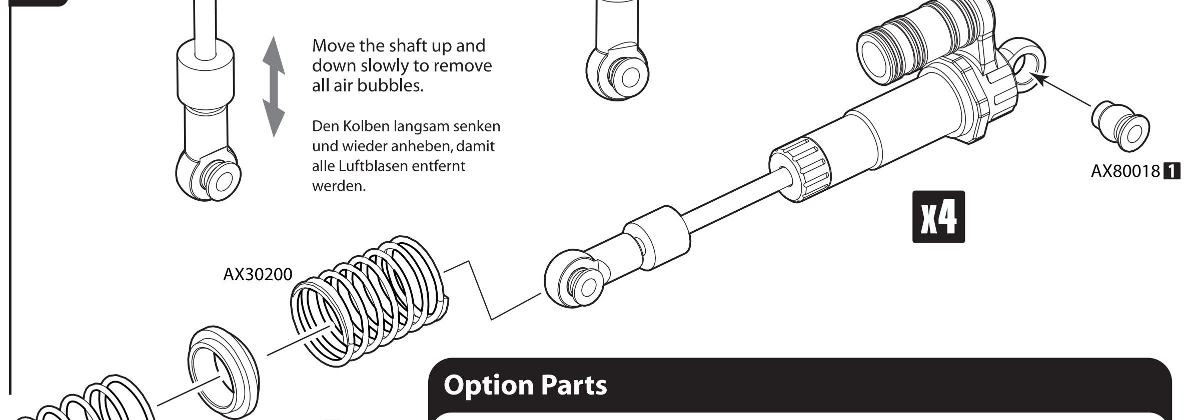
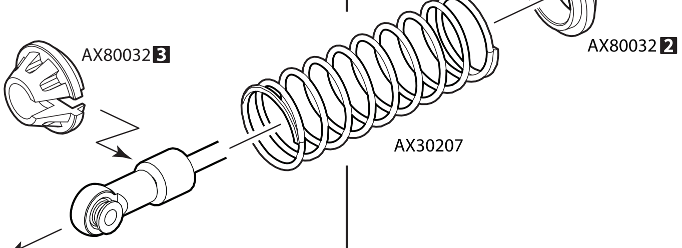
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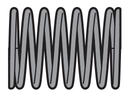
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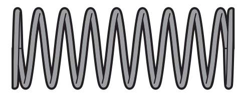
13

Option Parts



Spring
AX30200 12.5x20mm 3.6 lbs/in - Super Soft (Red)
AX30201 12.5x20mm 4.32 lbs/in - Soft (White)
AX30202 12.5x20mm 5.44 lbs/in - Medium (Green)
AX30203 12.5x20mm 6.53 lbs/in - Firm (Yellow)
AX30204 12.5x20mm 7.95 lbs/in - Super Firm (Blue)

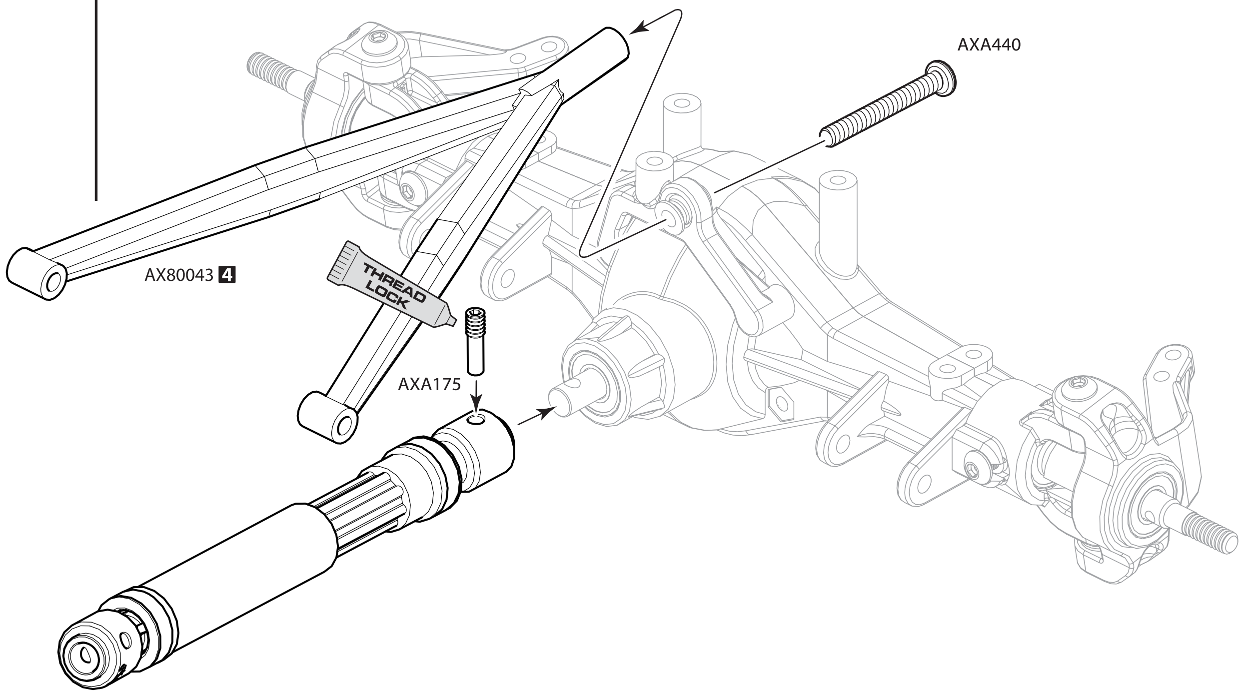


Spring
AX30205 12.5x40mm 2.7 lbs/in - Super Soft (Red)
AX30206 12.5x40mm 3.6 lbs/in - Soft (White)
AX30207 12.5x40mm 4.08 lbs/in - Medium (Green)
AX30208 12.5x40mm 5.44 lbs/in - Firm (Yellow)
AX30209 12.5x40mm 6.81 lbs/in - Super Firm (Blue)

AXA175
Screw Shaft M3x2.5x11mm **x1**

AXA440
M3x25mm **x1**

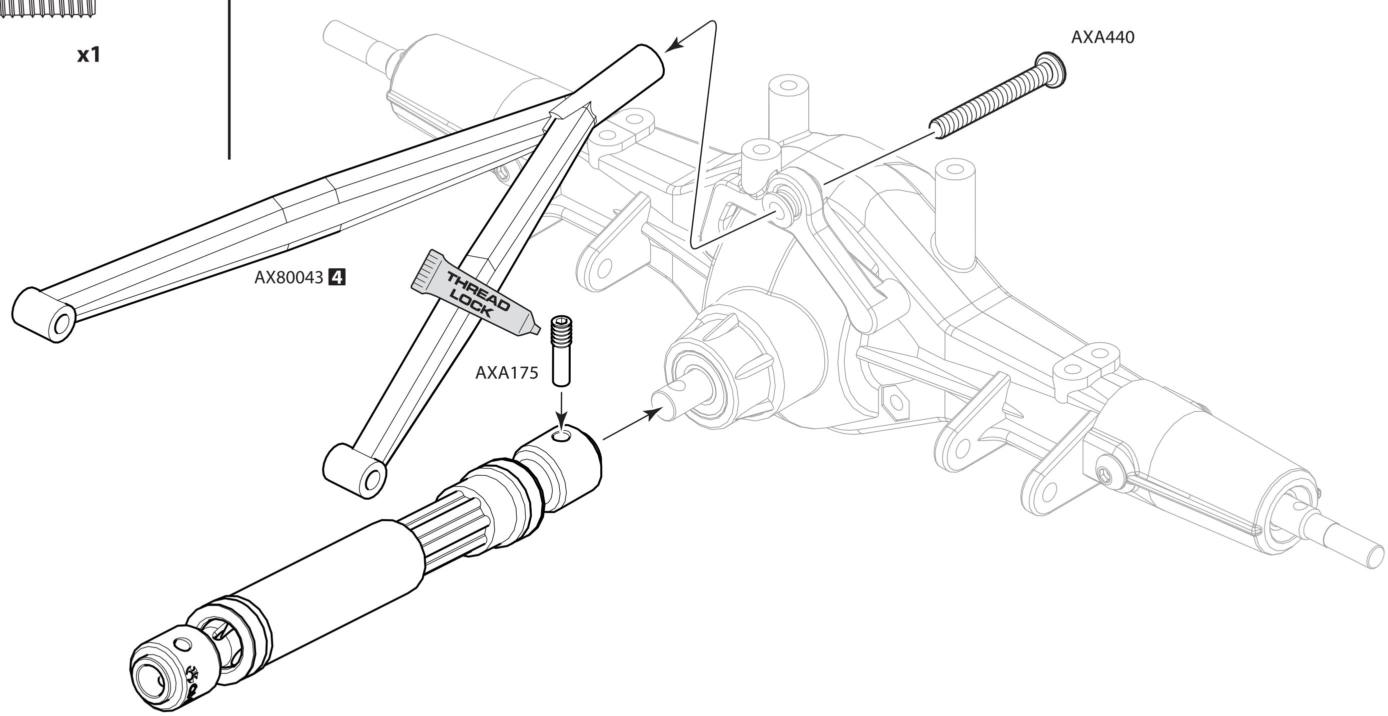
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AXA175
Screw Shaft M3x2.5x11mm **x1**

AXA440
M3x25mm **x1**

15

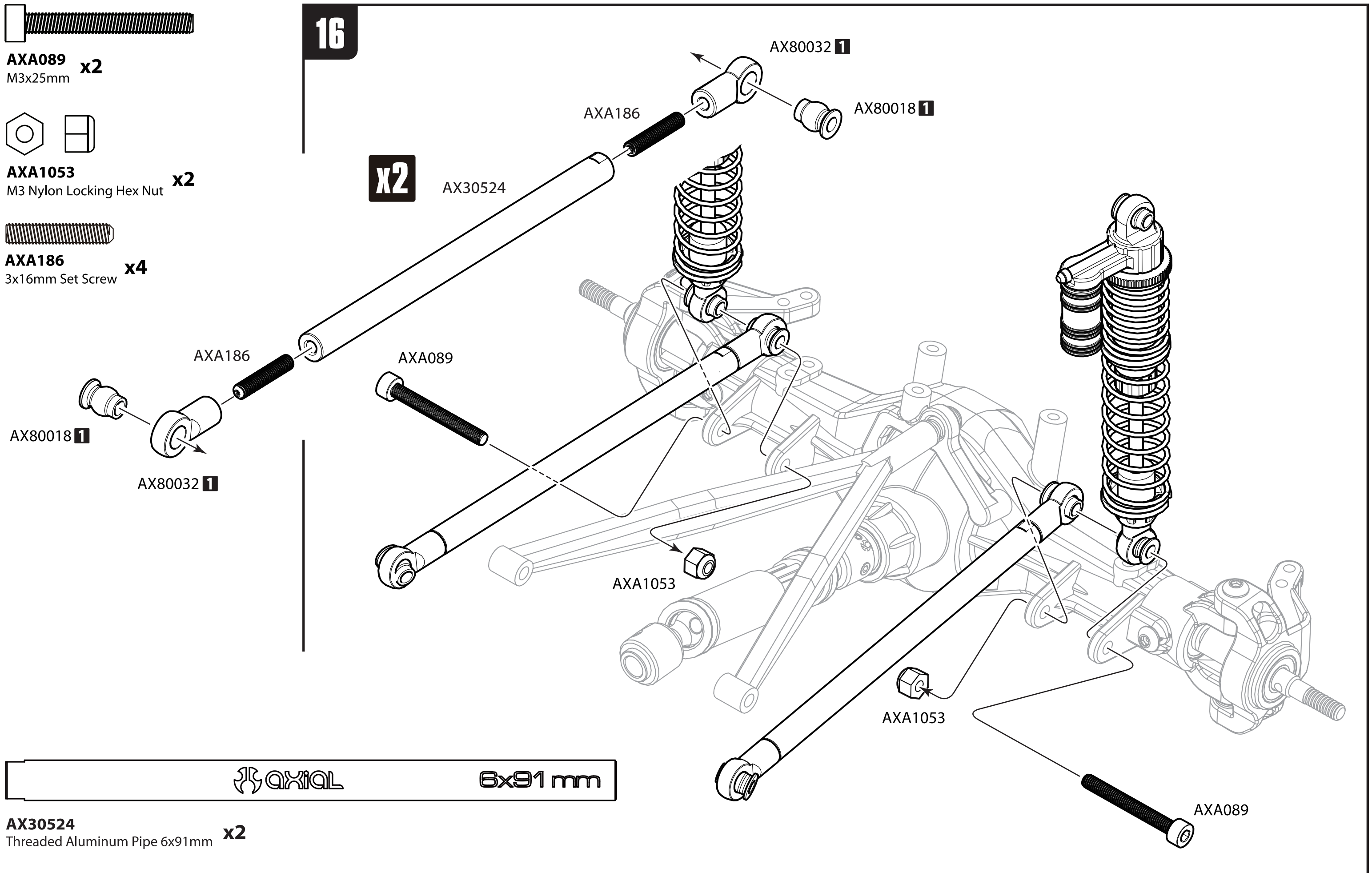


16

AXA089 x2
M3x25mm

AXA1053 x2
M3 Nylon Locking Hex Nut

AXA186 x4
3x16mm Set Screw



6x91 mm

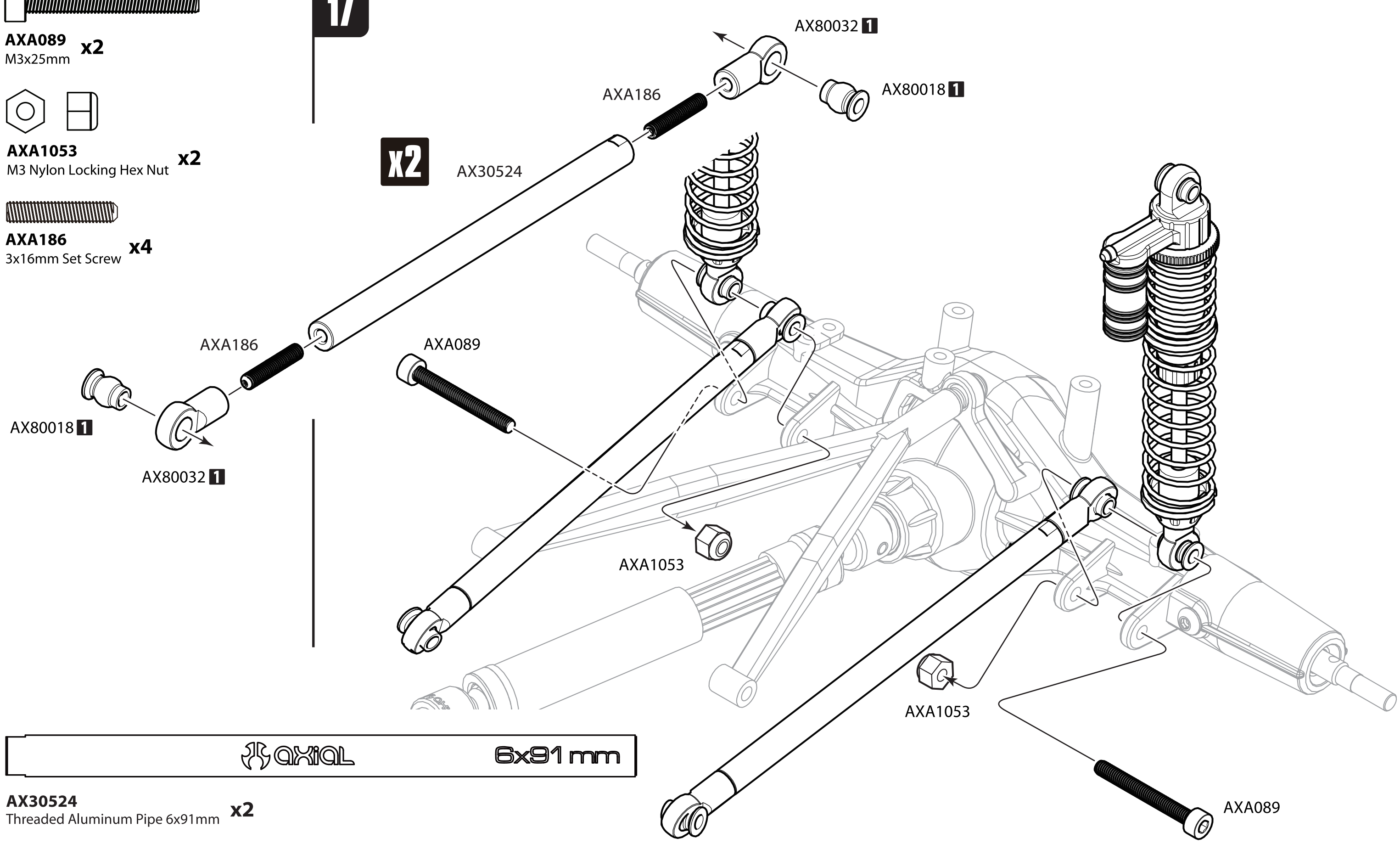
AX30524 x2
Threaded Aluminum Pipe 6x91mm

17

AXA089 x2
M3x25mm

AXA1053 x2
M3 Nylon Locking Hex Nut

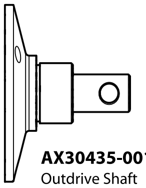
AXA186 x4
3x16mm Set Screw



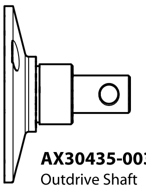
6x91 mm

AX30524 x2
Threaded Aluminum Pipe 6x91mm

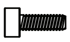
D Open Bag D



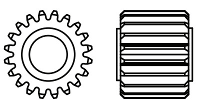
AX30435-001 x1
Outdrive Shaft



AX30435-003 x1
Outdrive Shaft

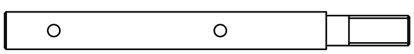


AXA013 x3
M2x6mm

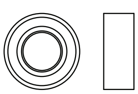


AX30394 x1
20T Drive Gear

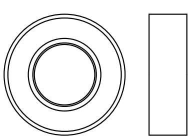
AX30162 x1
Pin 1.5x8mm



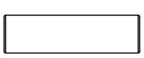
AX30198 x1
Drive gear Shaft 5x53.5



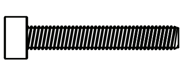
AXA1218 x4
Bearing 5x10x4mm



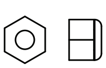
AXA1225 x2
Bearing 8x16x5mm



AX30190 x1
Shaft 5x18

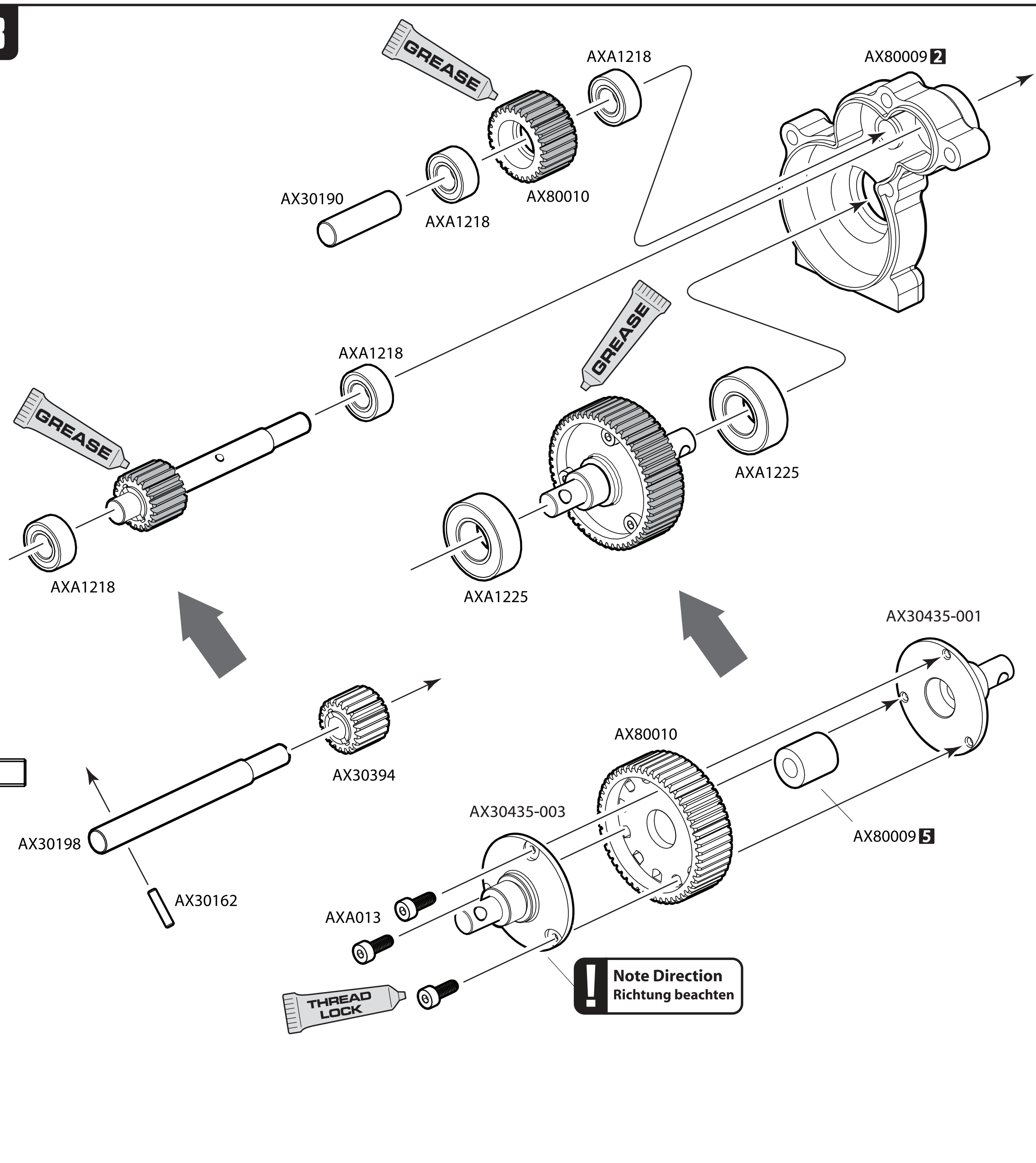


AXA088 x1
M3x20mm

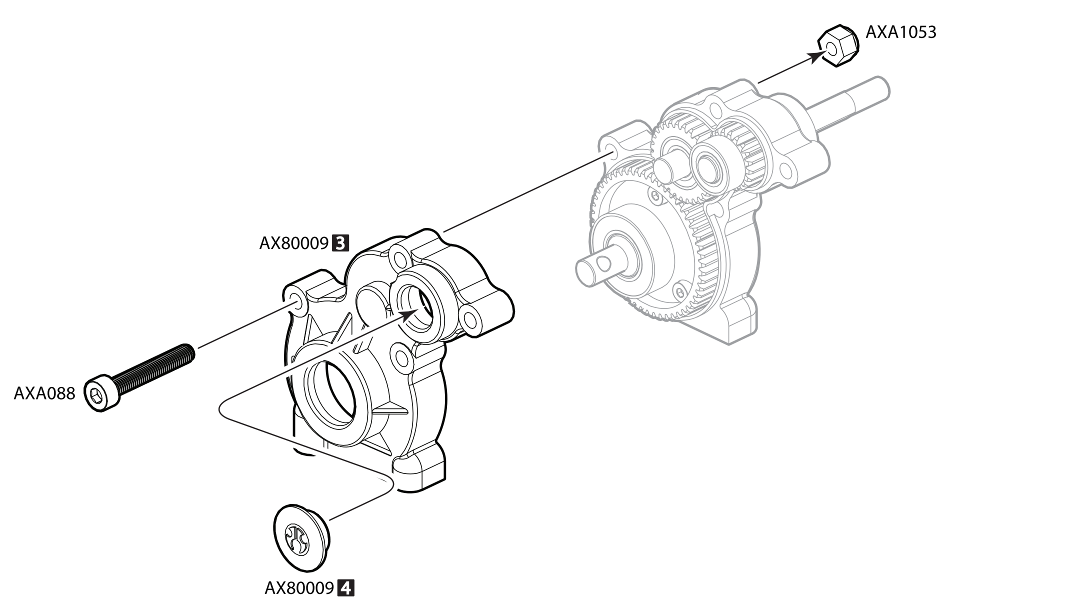


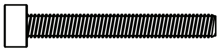
AXA1053 x1
M3 Nylon Locking Hex Nut

18

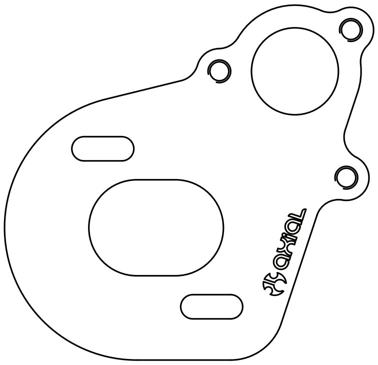


19

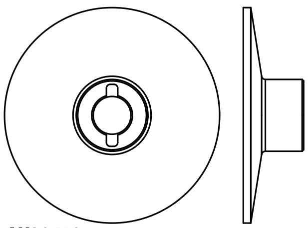




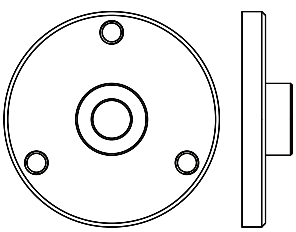
AXA089 **x3**
M3x25mm



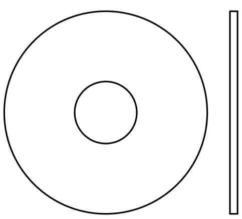
AX30491 **x1**
AX10 Scorpion Motor Plate



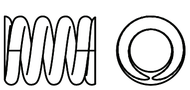
AX30410 **x1**
Inner Slipper Plate



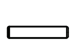
AX30411 **x1**
Outer Slipper Plate



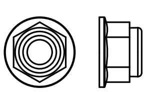
AX30412 **x1**
Slipper Pad 27x8x1mm



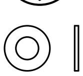
AX30413 **x1**
Spring 8.5x12



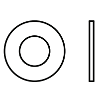
AX30162 **x1**
Pin 1.5x8mm



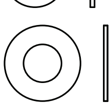
AX1045 **x1**
M4 Nylon Lock Nut



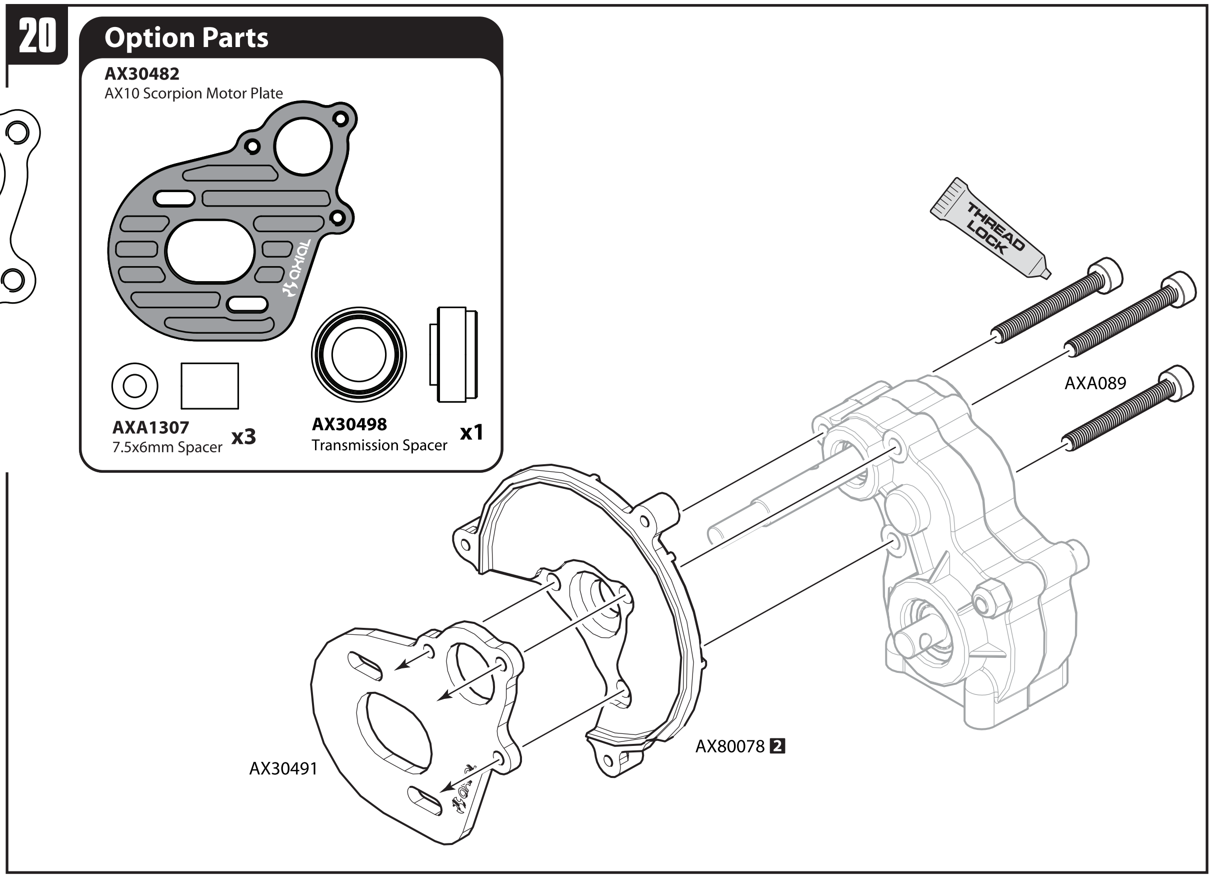
AXA1070 **x3**
Washer 3x6x0.5

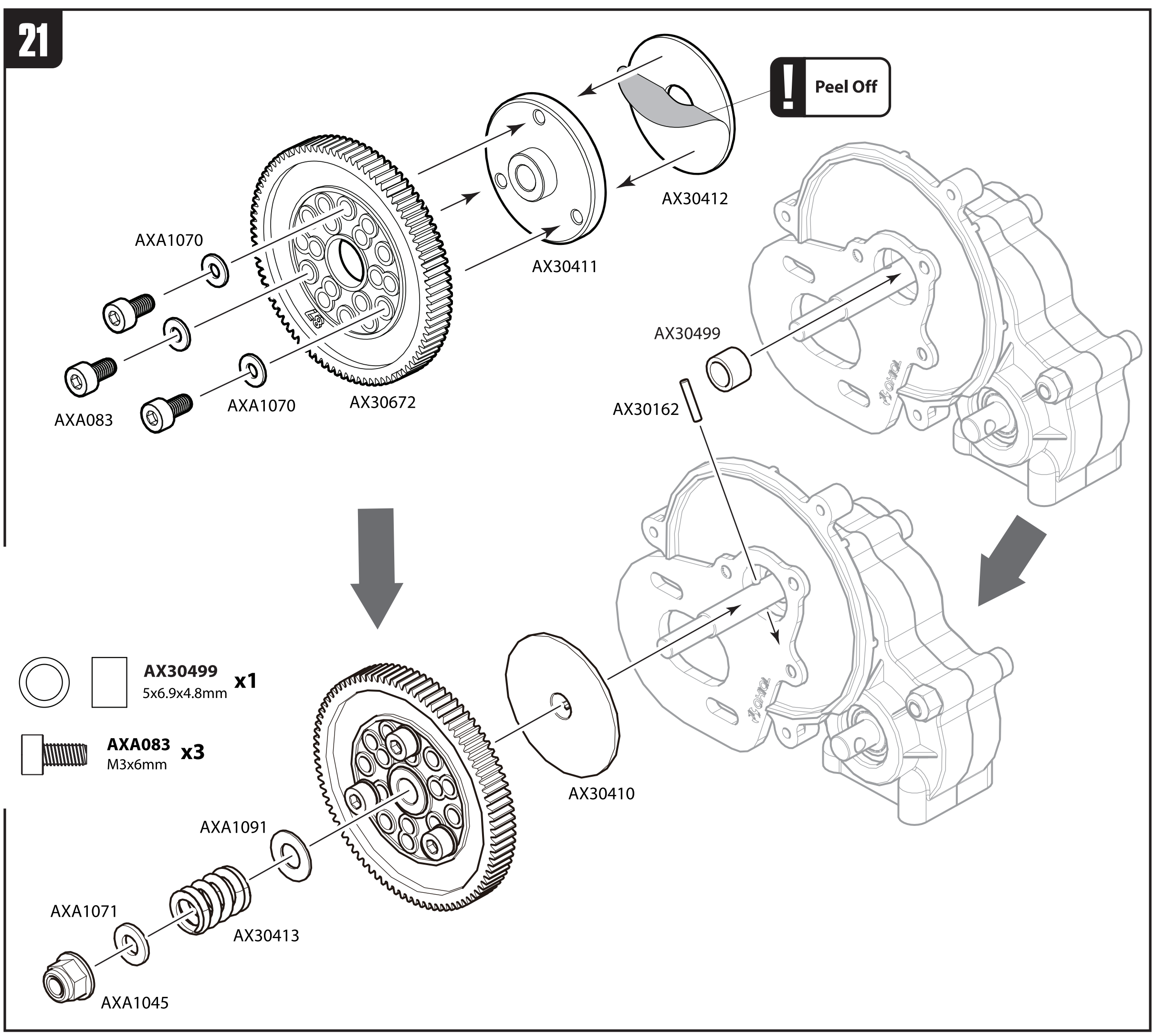


AXA1071 **x1**
Washer 4x8x0.5mm

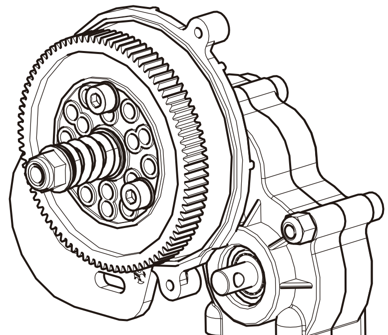


AXA1091 **x1**
Washer 5x10x0.5mm





22



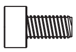
Slipper Clutch Setup

To set the slipper clutch, tighten the nut (Clockwise) until it stops then lossen it 2 turns (Counter clockwise). The spur gear should slip when firm pressure is applied. Do not overtighten the slipper clutch, damage may occur to the drivetrain.

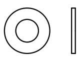
Testing the slipper clutch

1. Hold the tires
2. Use your fingers to roate the spur gear

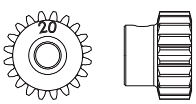
Note: The spur gear should slip when firm pressure is applied. If it does not slip, loosen the nut in 1/2 turn increments



AXA083 x2
M3x6mm



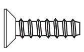
AXA1070 x2
Washer 3x6x0.5mm



AX30578 x1
Pinion 48DP 20T

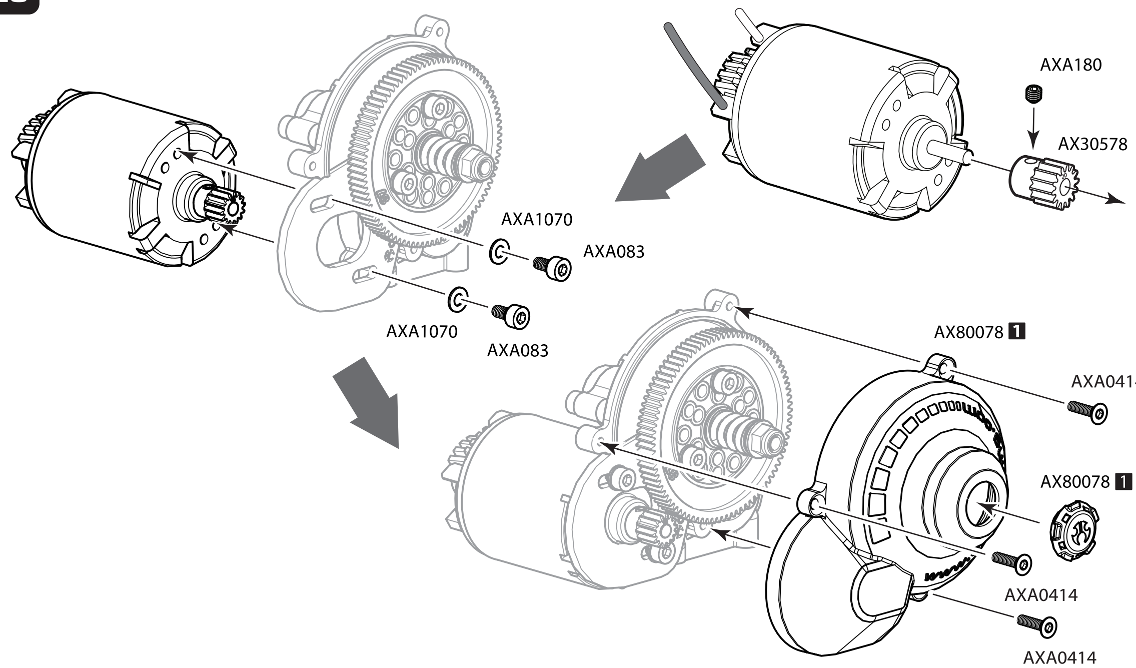


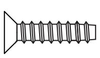
AXA180 x1
M3x3mm Set Screw



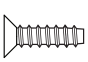
AXA0414 x3
M2.6x10mm

23



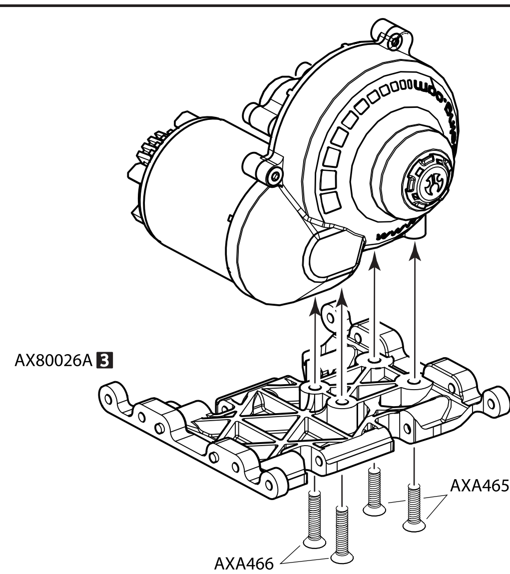


AXA466 x2
M3x12mm

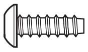


AXA465 x2
M3x10mm

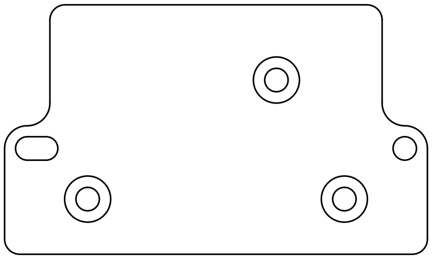
24



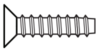
E Open Bag E



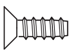
AXA434 x2
M3x8mm



AX30485 x1
AX10 Scorpion Servo Plate

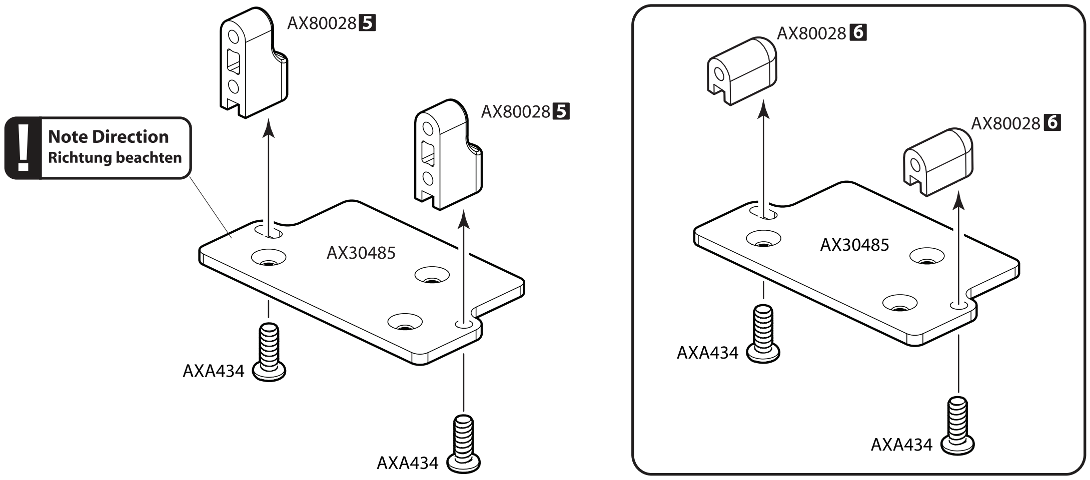


AXA466 x2
M3x12mm Hex Socket Tapping Flat Head

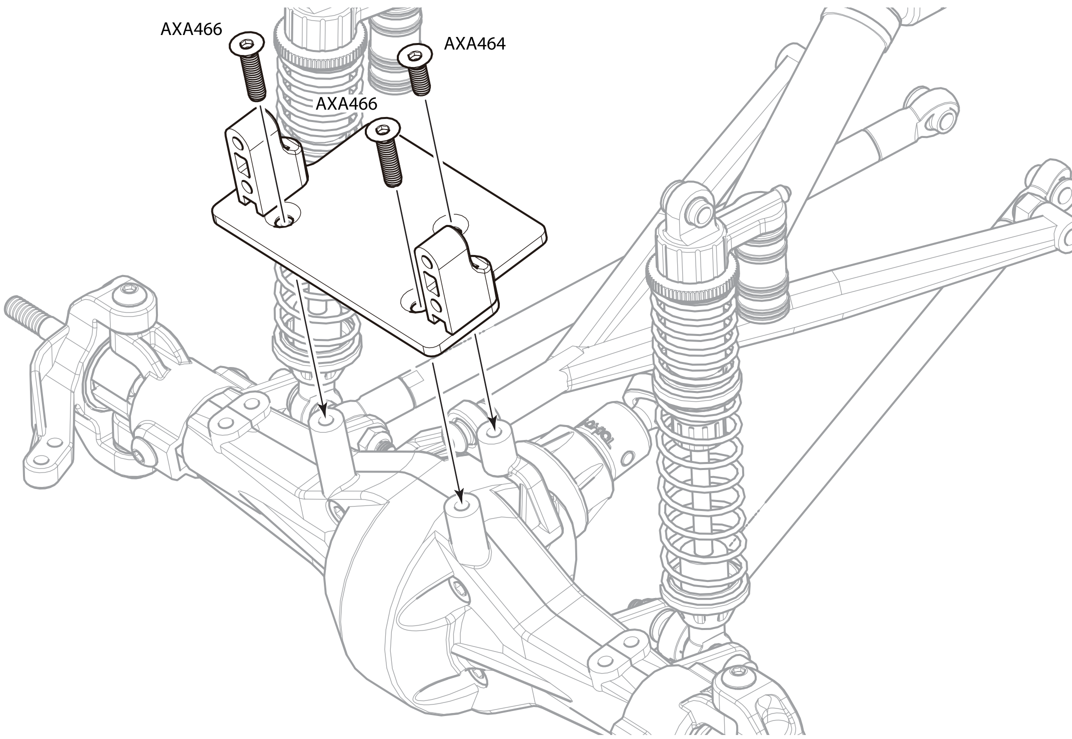


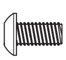
AXA464 x1
M3x8mm Hex Socket Tapping Flat Head

25



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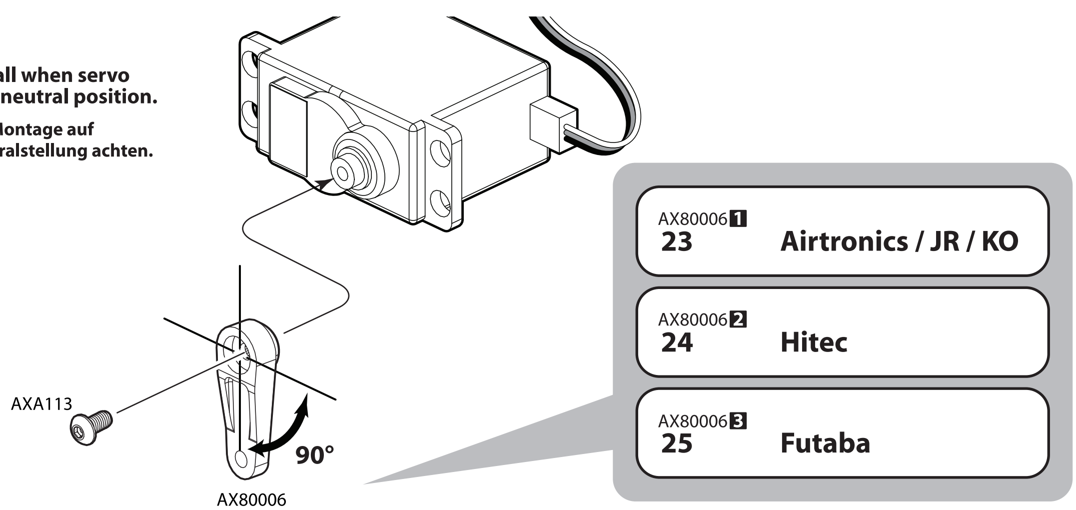


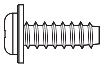
AXA113 x1
M3x6mm

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Install when servo is in neutral position.

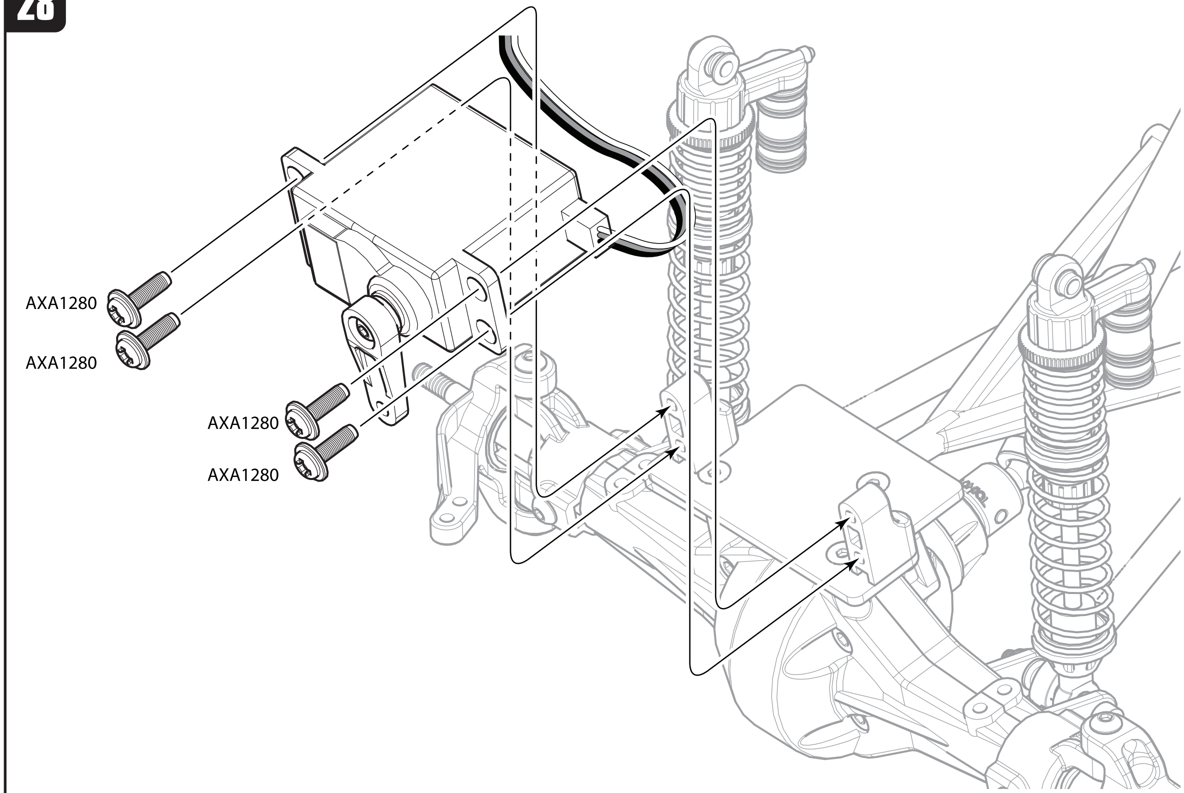
Bei Montage auf Neutralstellung achten.

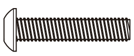




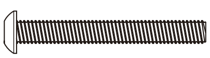
AXA1280 **x4**
M3x10mm

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AXA117 **x2**
M3x15mm Hex Socket Button Head



AXA120 **x1**
M3x25mm Hex Socket Button Head



AXA1414 **x1**
6x2x3mm



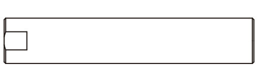
AXA1052 **x2**
M3 Nylon Locking Hex Nut



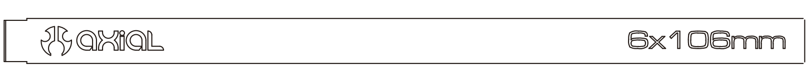
AXA1053 **x1**
M3 Nylon Locking Hex Nut



AXA186 **x4**
3x16mm Set Screw

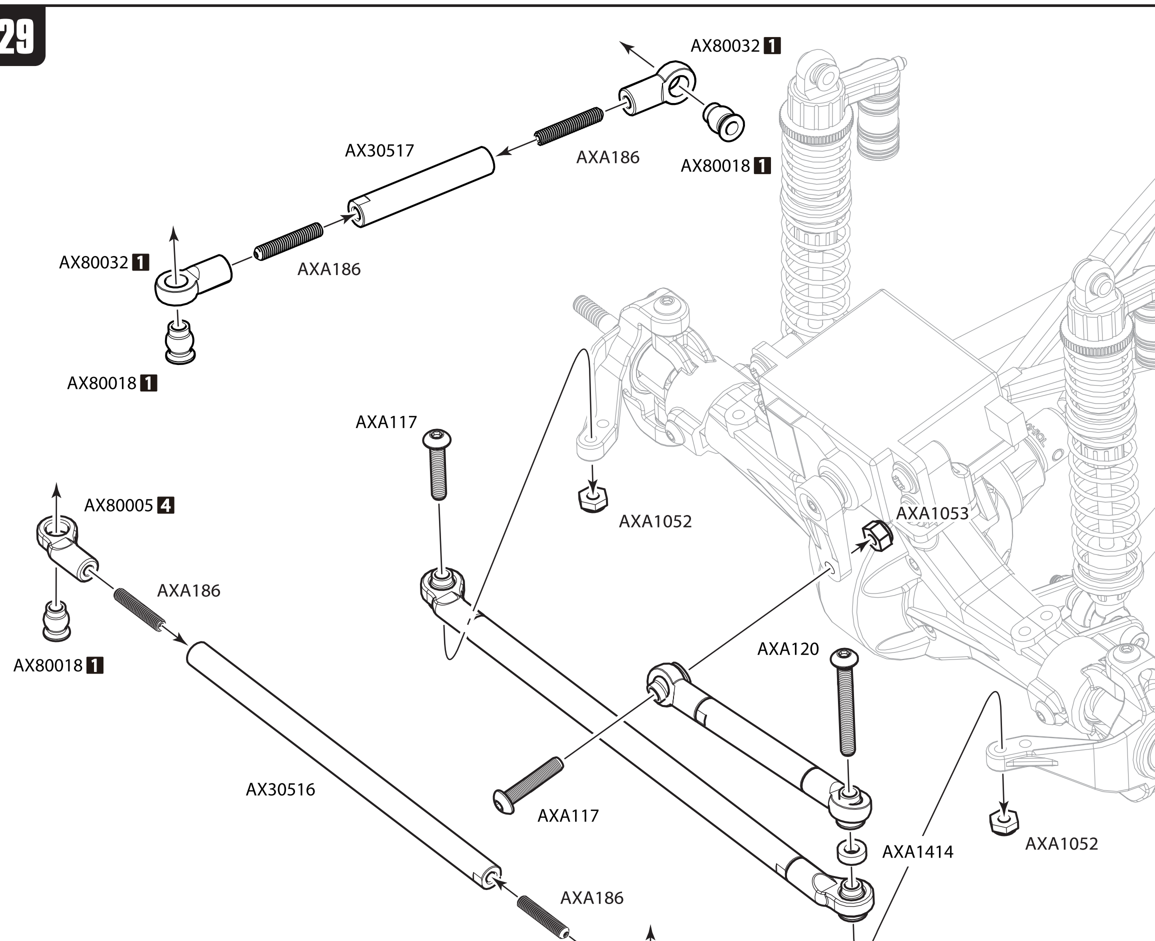


AX30517 **x1**
6x33mm



AX30516 **x1**
6x106mm

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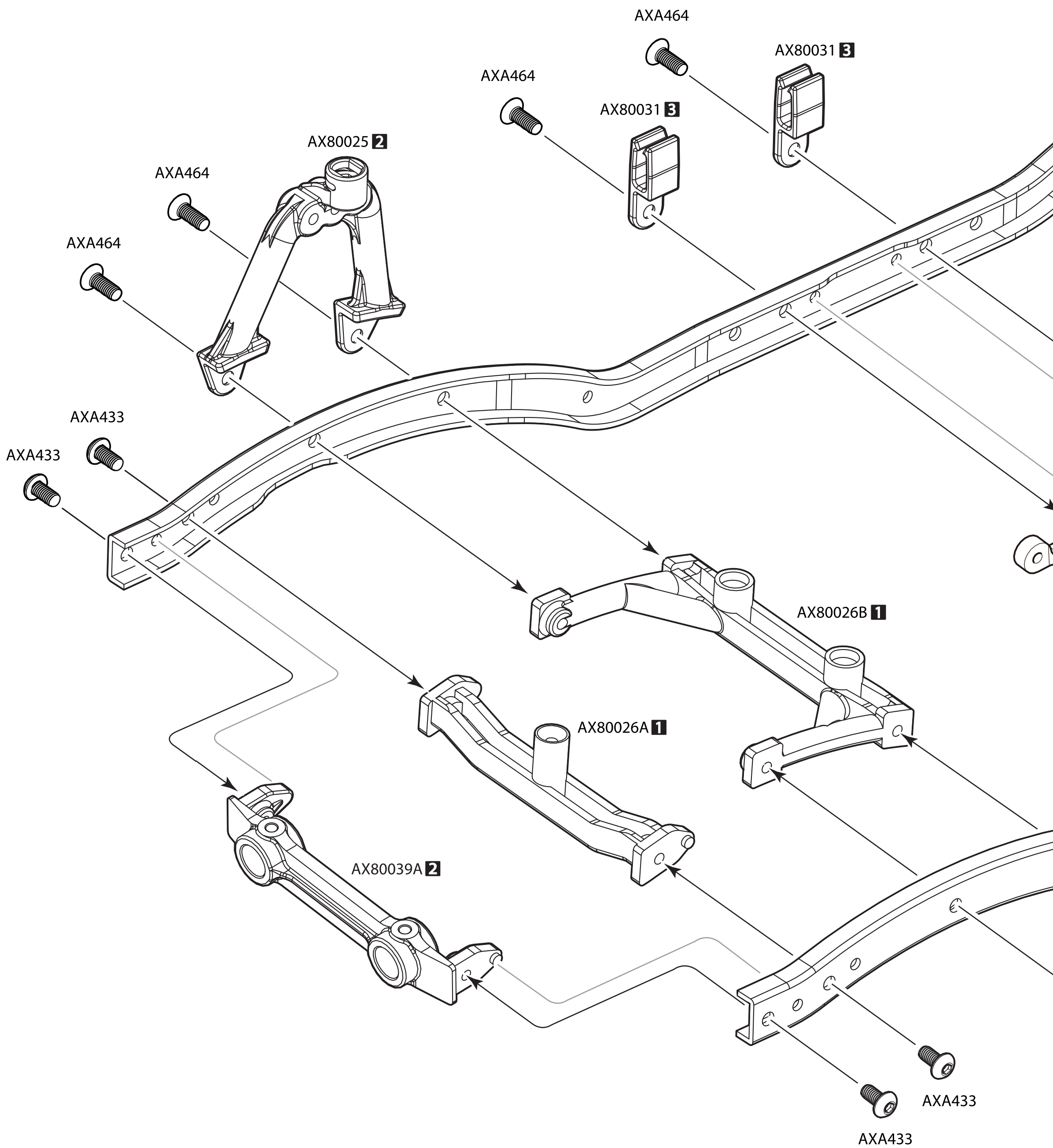


F Open Bag F

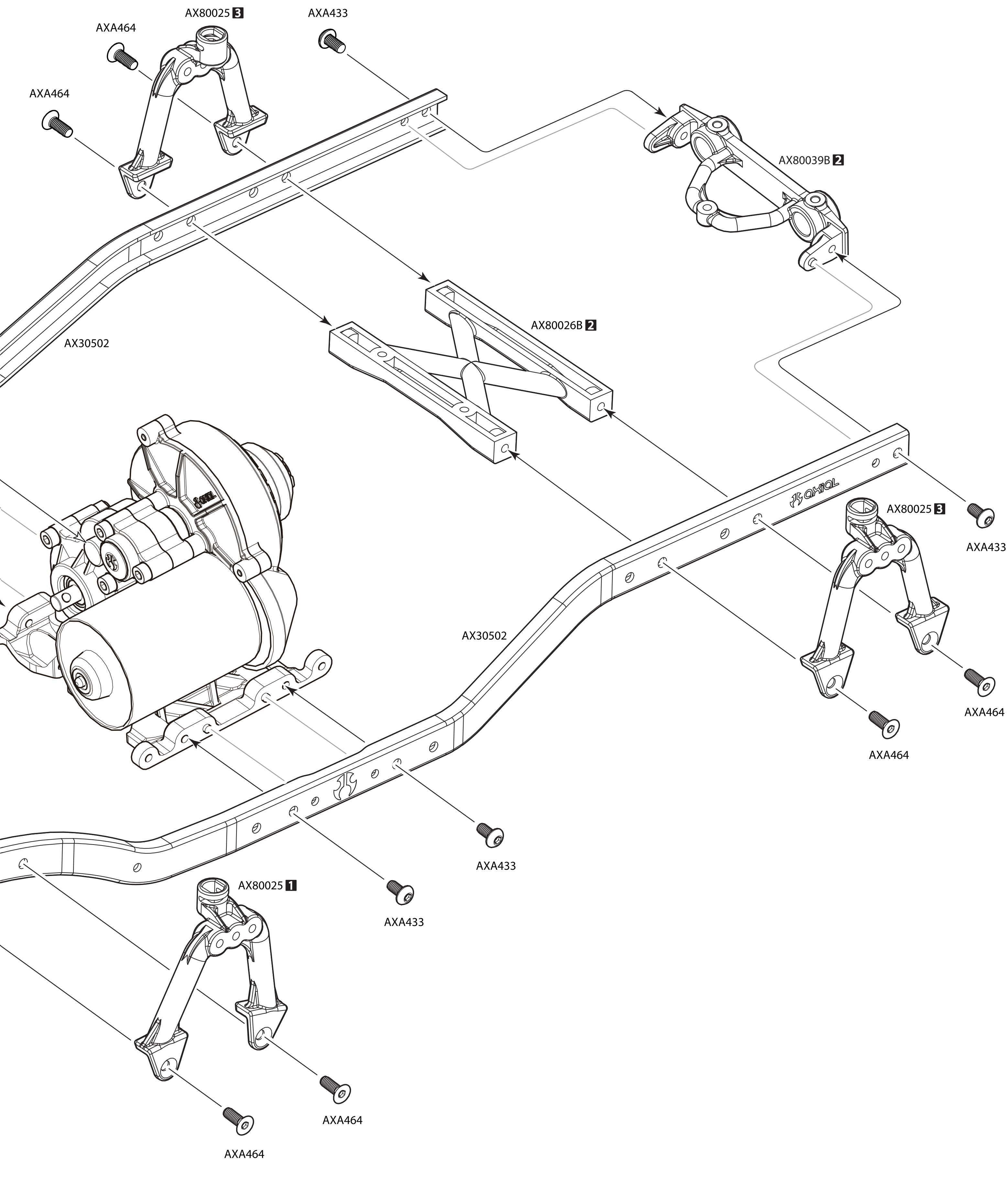
AXA433 M3x6mm x8

AXA464 M3x8mm x10

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axial


AX80025 3
AXA464
AXA433
AXA464
AX80039B 2
AX80026B 2
AX30502
AX80025 3
AXA433
AX30502
AXA464
AXA464
AXA433
AX80025 1
AXA433
AXA464
AXA464

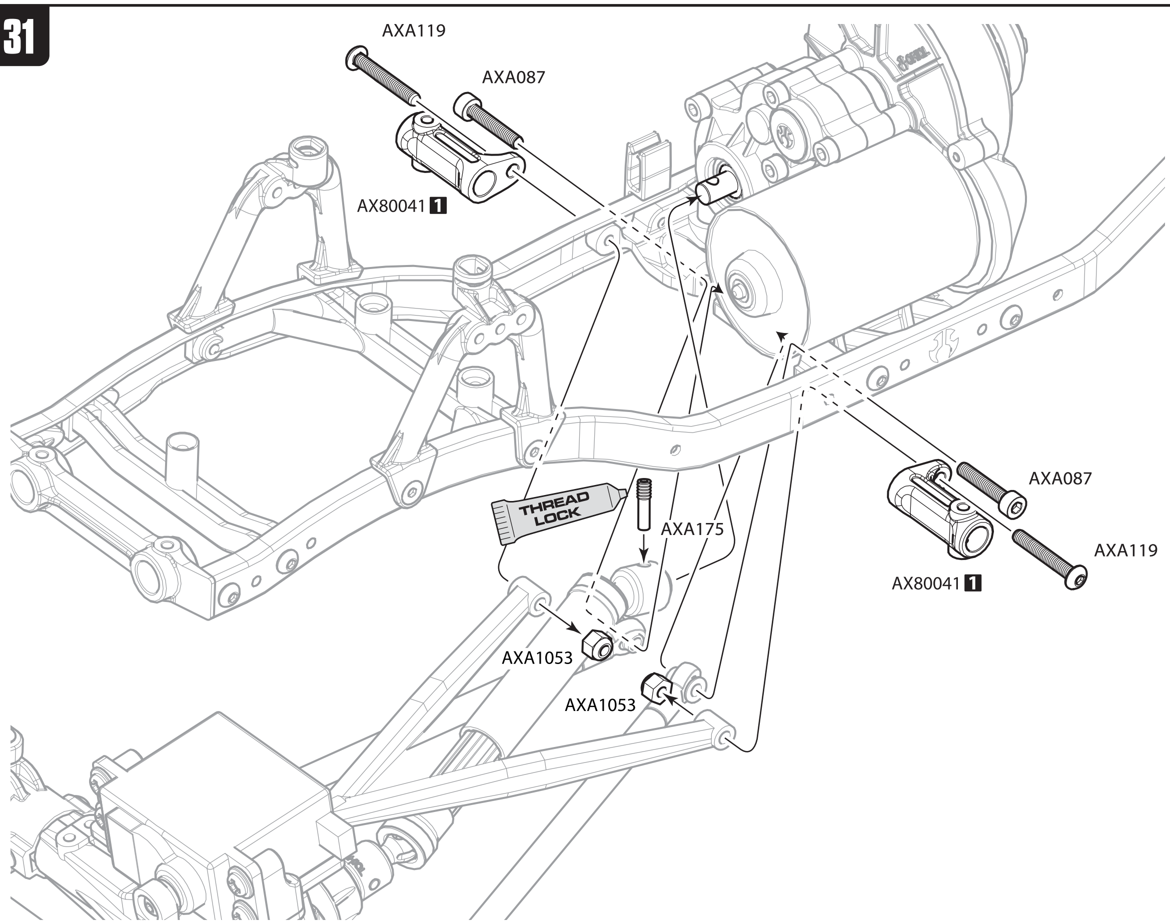
AXA119
M3x20mm Hex Socket Button Head **x2**

AXA087
M3x16mm Cap Head **x2**

AXA1053
M3 Nyion Lock Nut **x2**

AXA175
Screw Shaft M3x2.5x11mm **x1**

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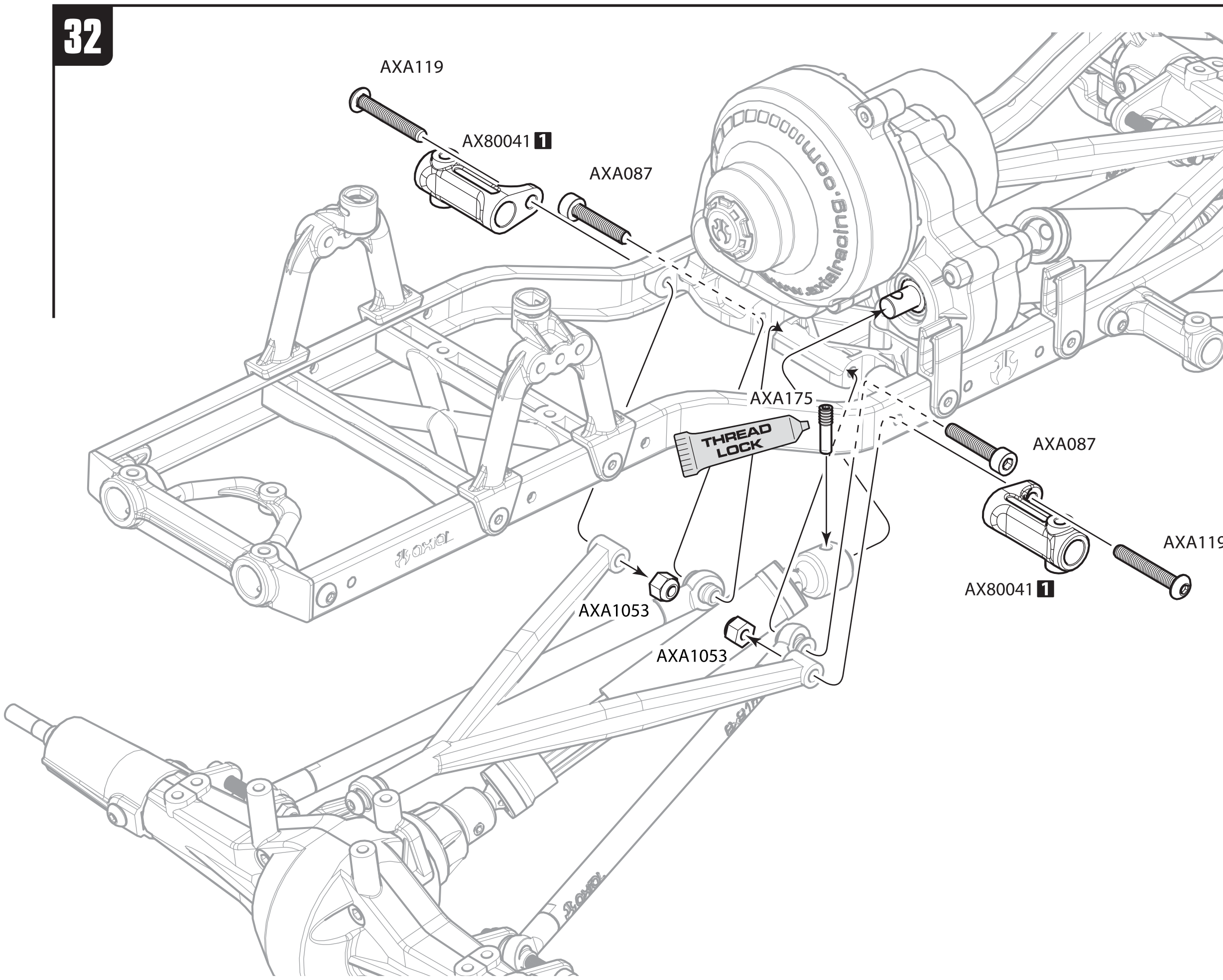
AXA119
M3x20mm Hex Socket Button Head **x2**

AXA087
M3x16mm Cap Head **x2**

AXA1053
M3 Nyion Lock Nut **x2**

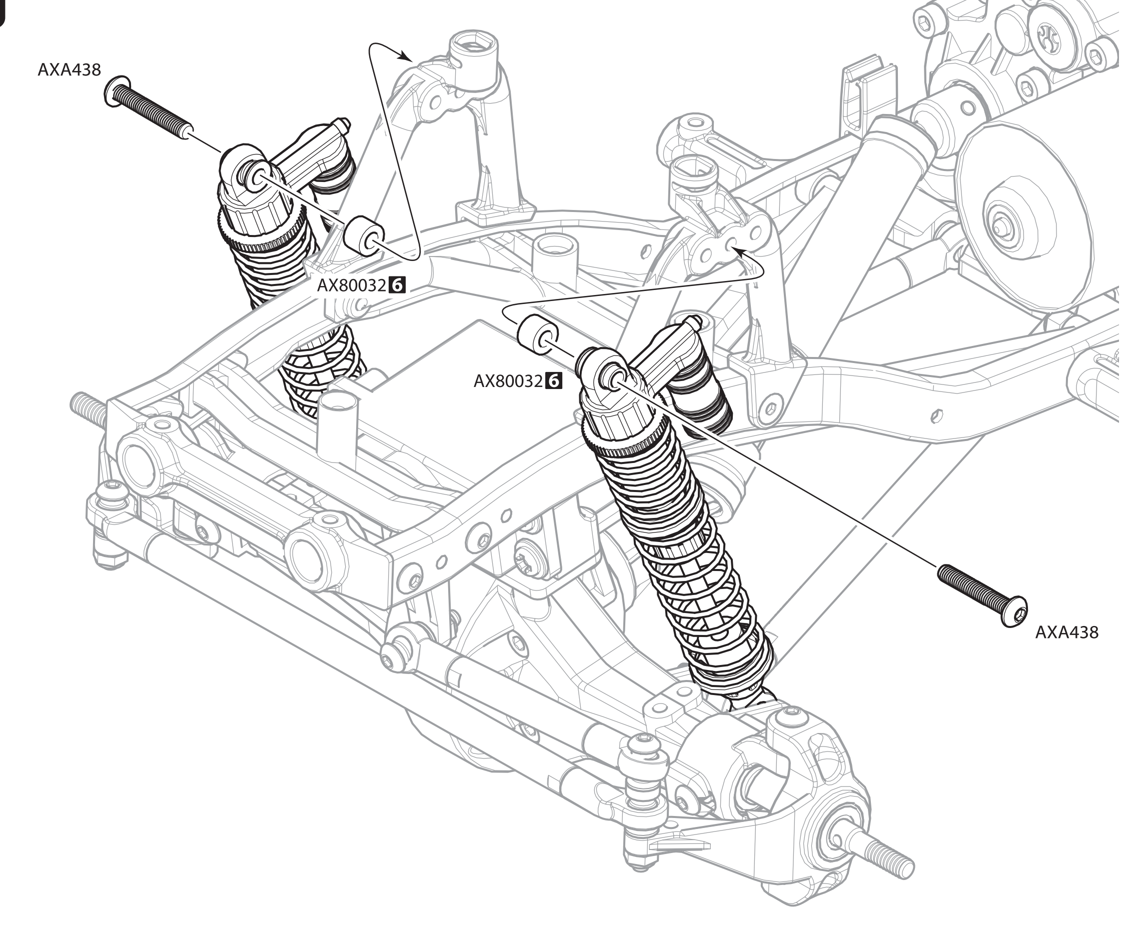
AXA175
Screw Shaft M3x2.5x11mm **x1**

32



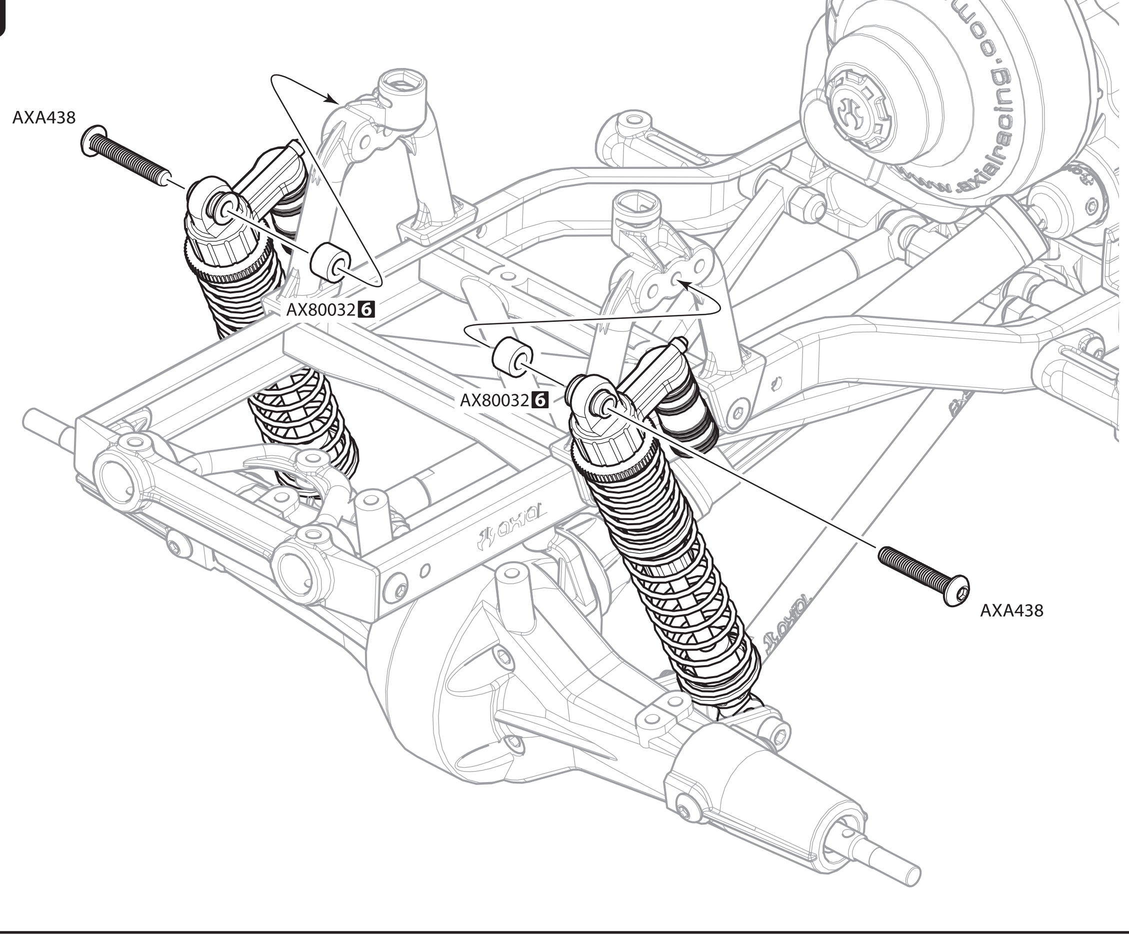
AXA438
M3x18mm Tapping Button Head **x2**

33

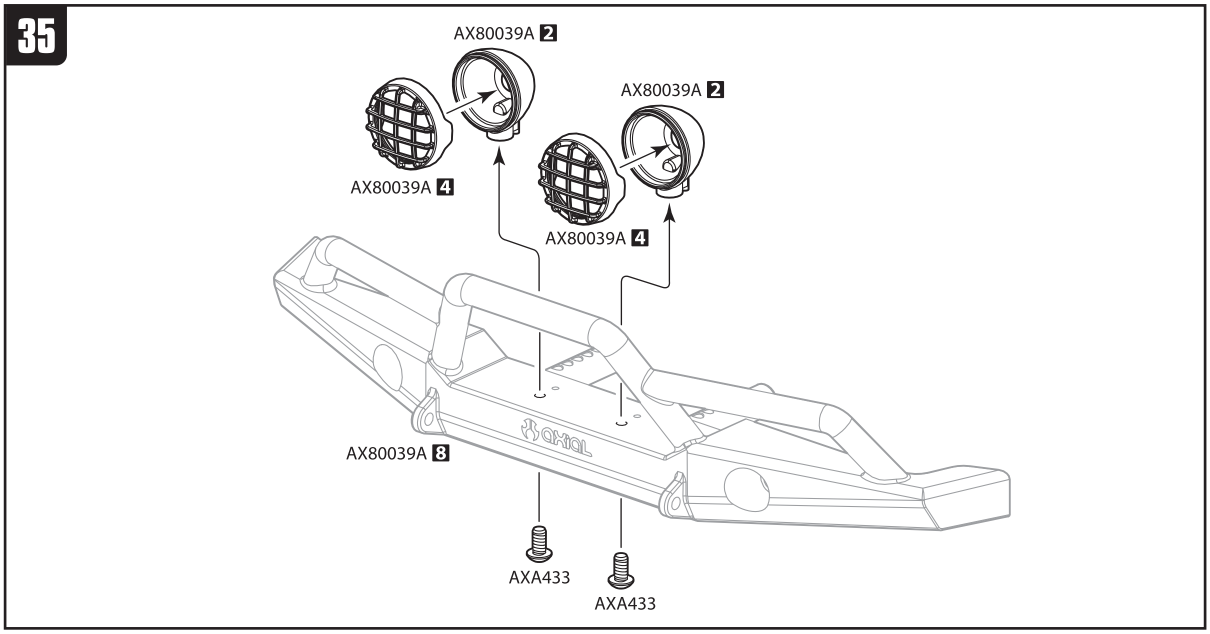


AXA438
M3x18mm Tapping Button Head **x2**

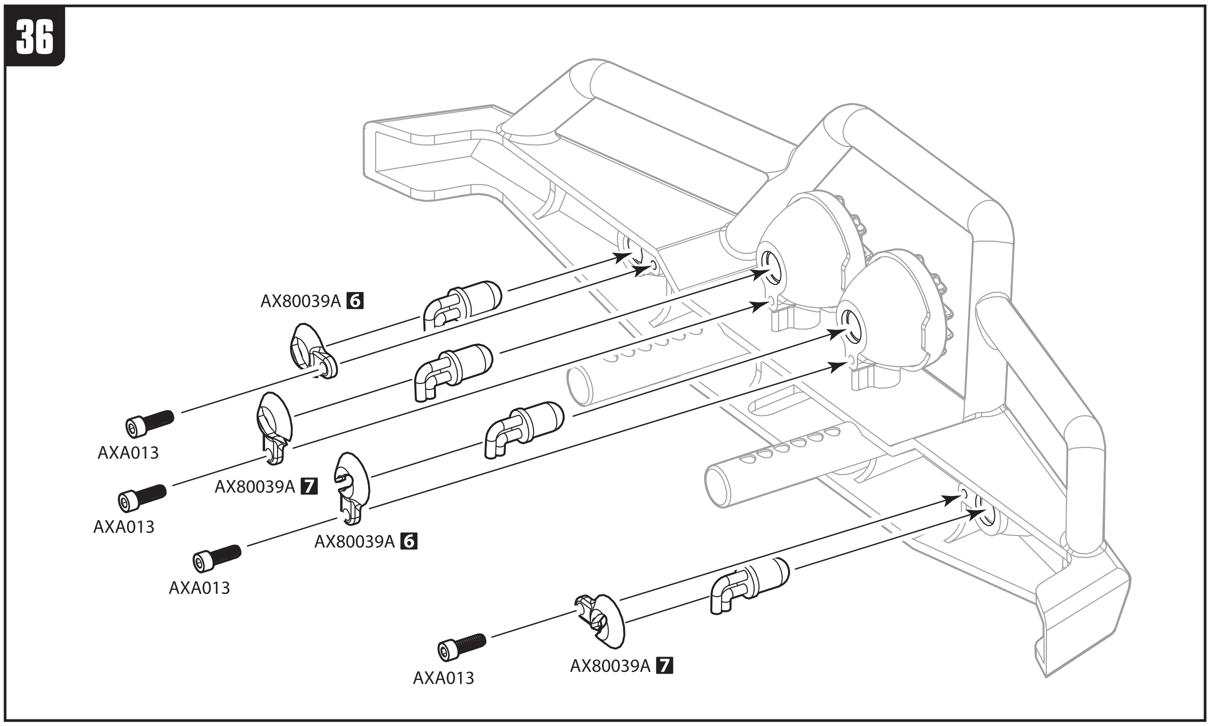
34



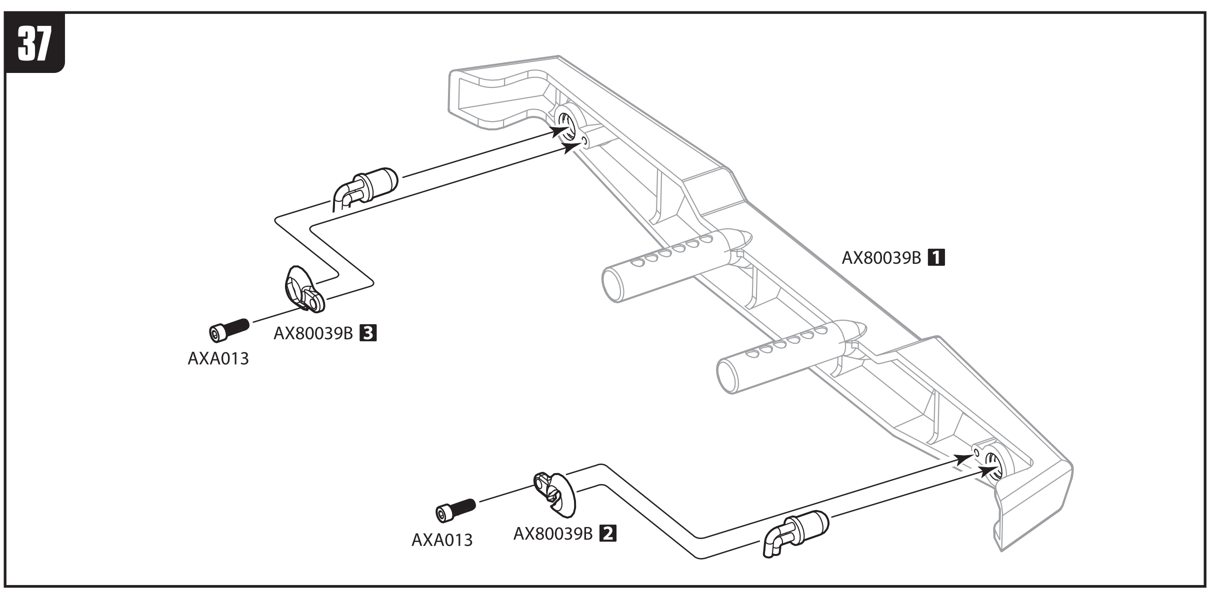
AXA433 M3x6mm **x2**

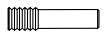


AXA013 M2x6mm **x4**



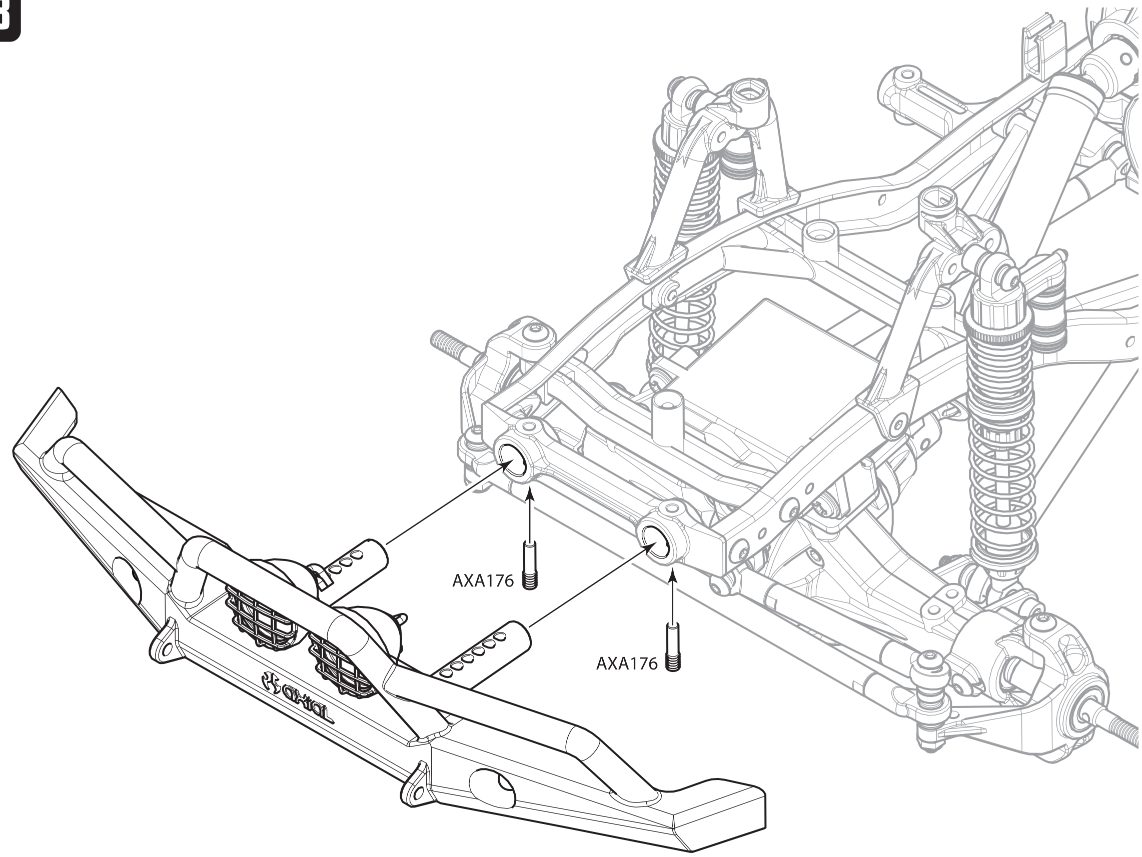
AXA013 M2x6mm **x2**

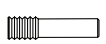




AXA176
M3x2.5x13mm Screw Shaft **x2**

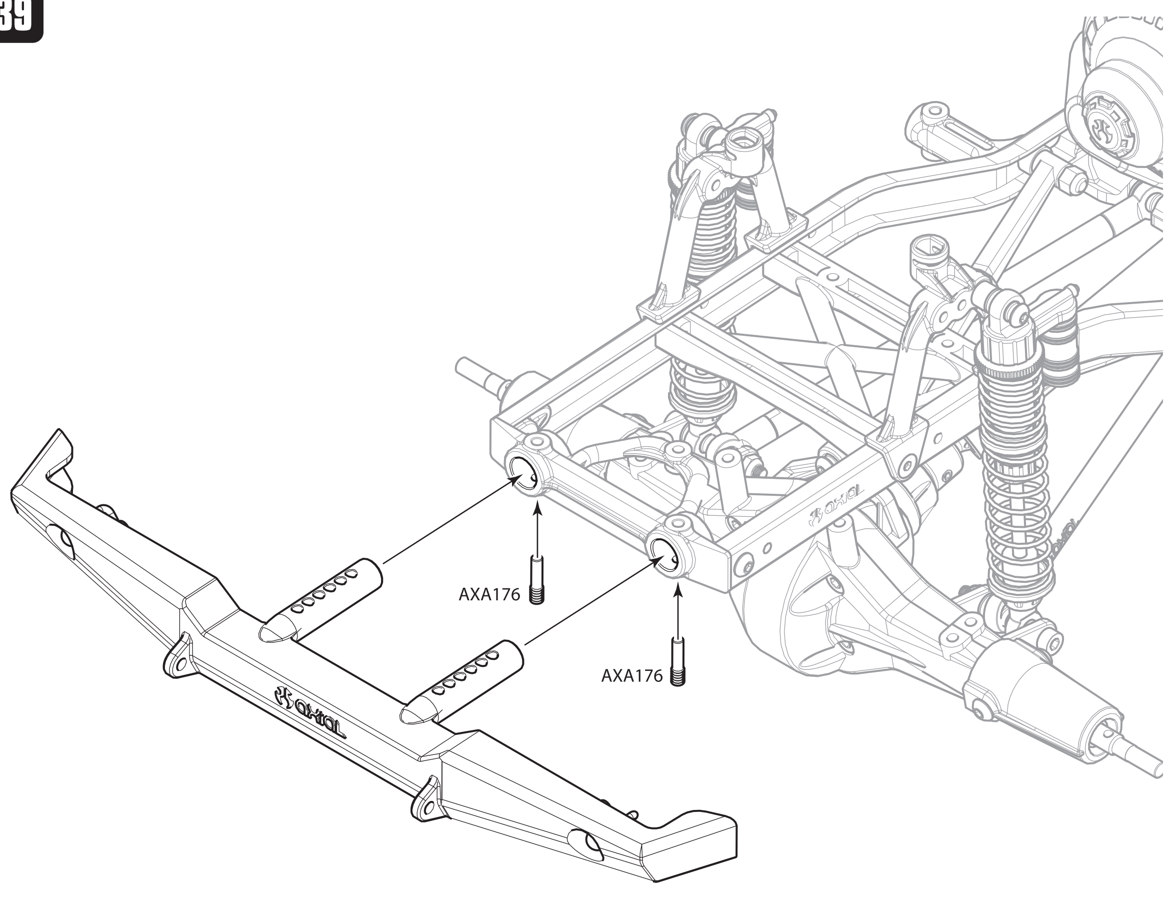
38





AXA176
M3x2.5x13mm Screw Shaft **x2**

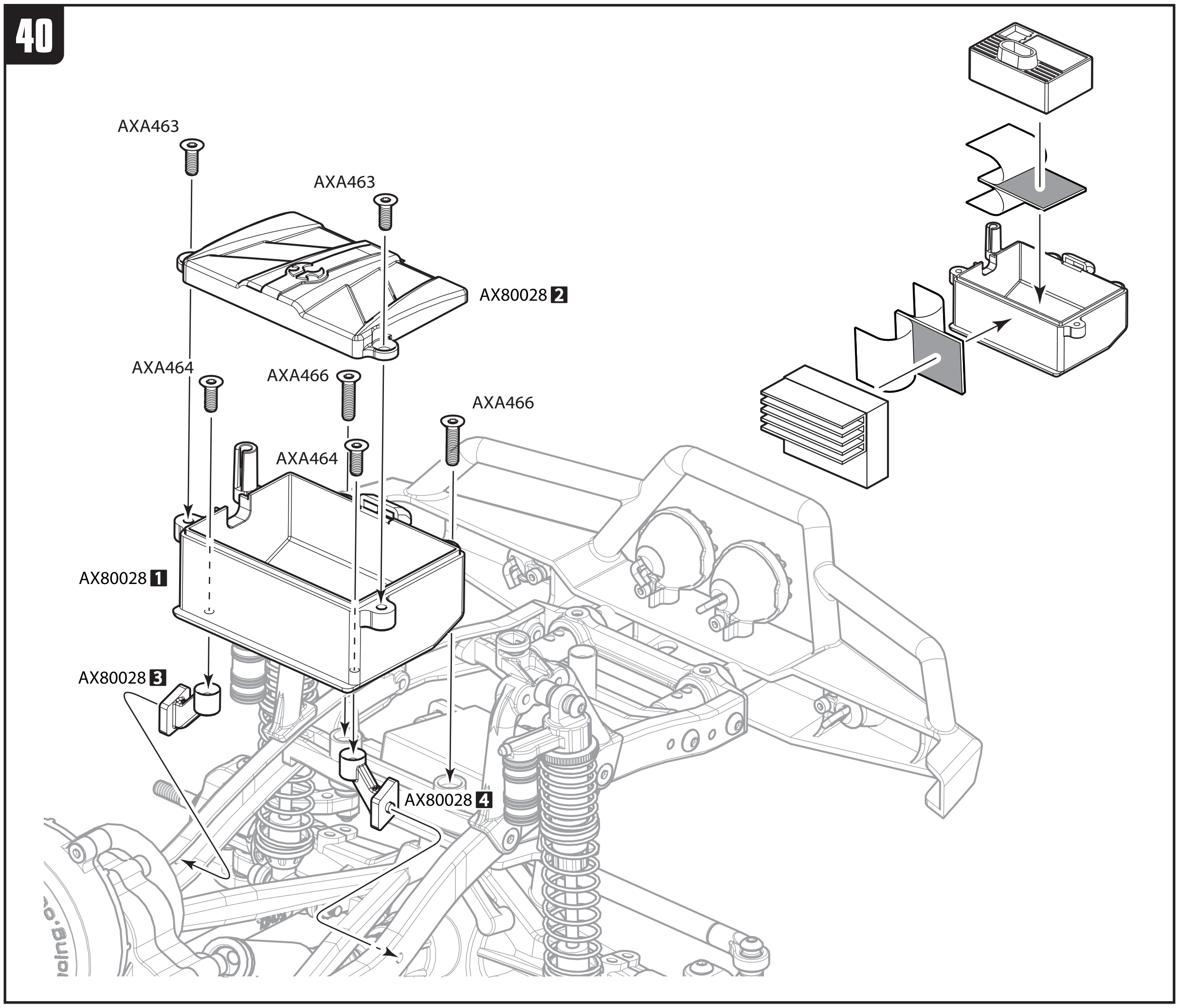
39



AXA463
M3x6mm Tapping Flat Head x2

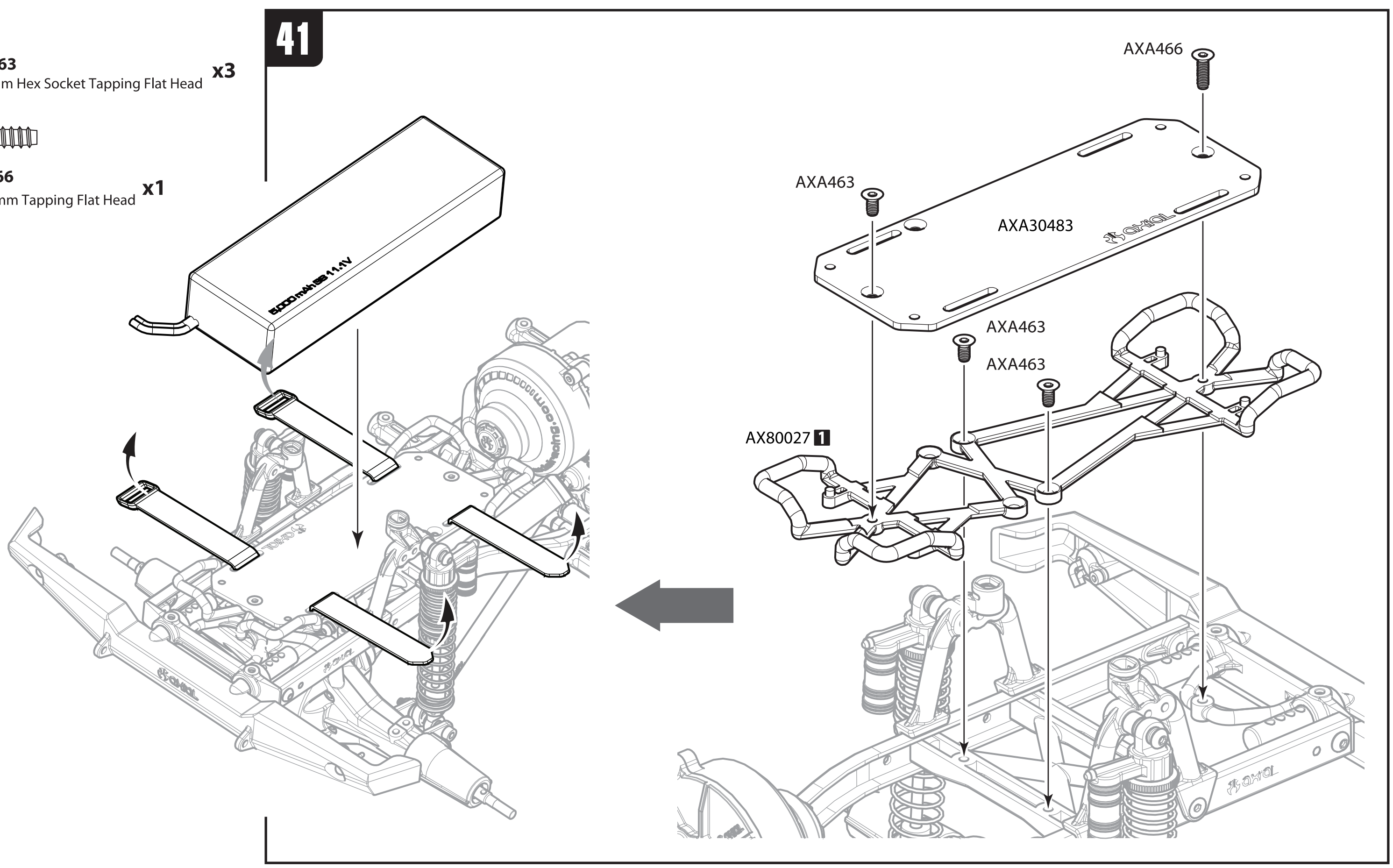
AXA464
M3x8mm Tapping Flat Head x2

AXA466
M3x12mm Tapping Flat Head x2



AXA463
M3x6mm Hex Socket Tapping Flat Head x3

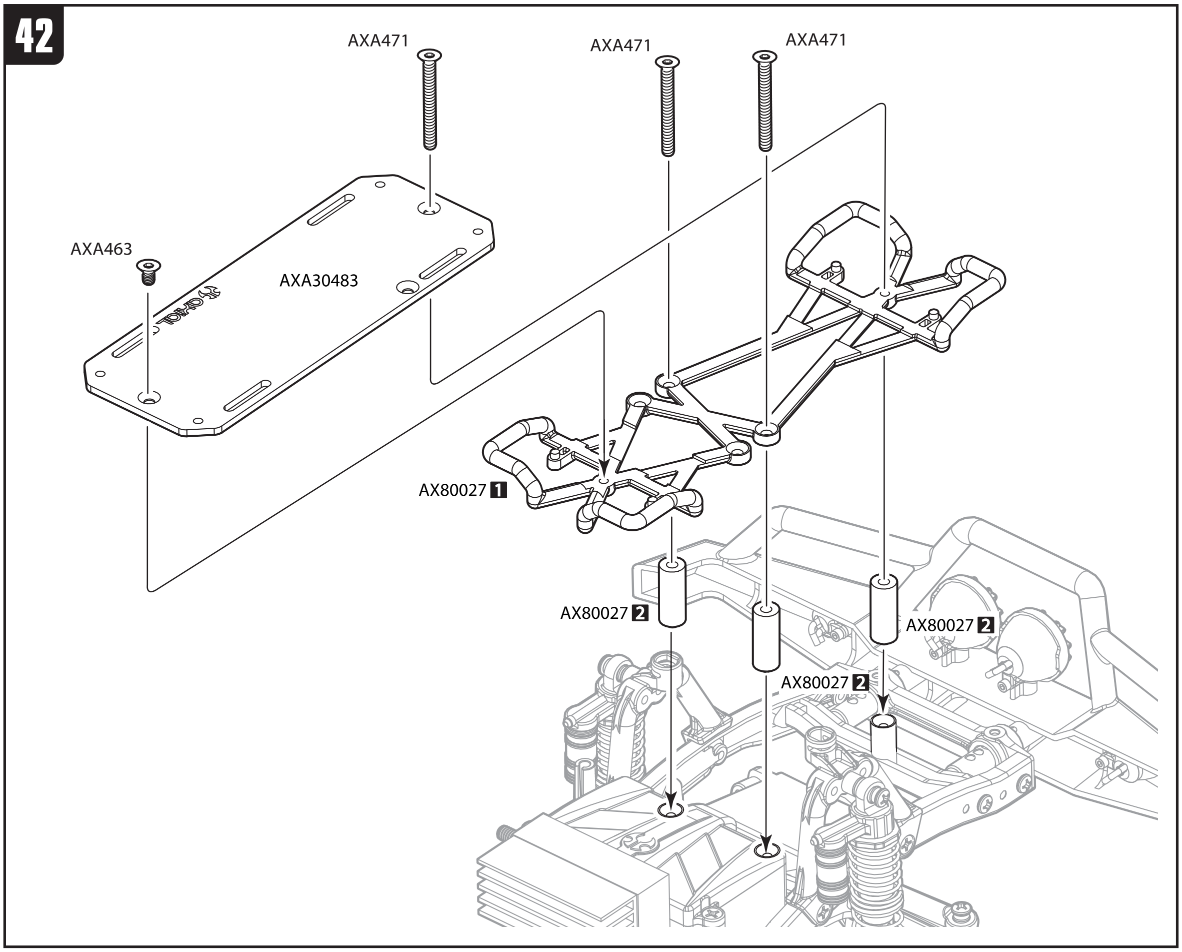
AXA466
M3x12mm Tapping Flat Head x1



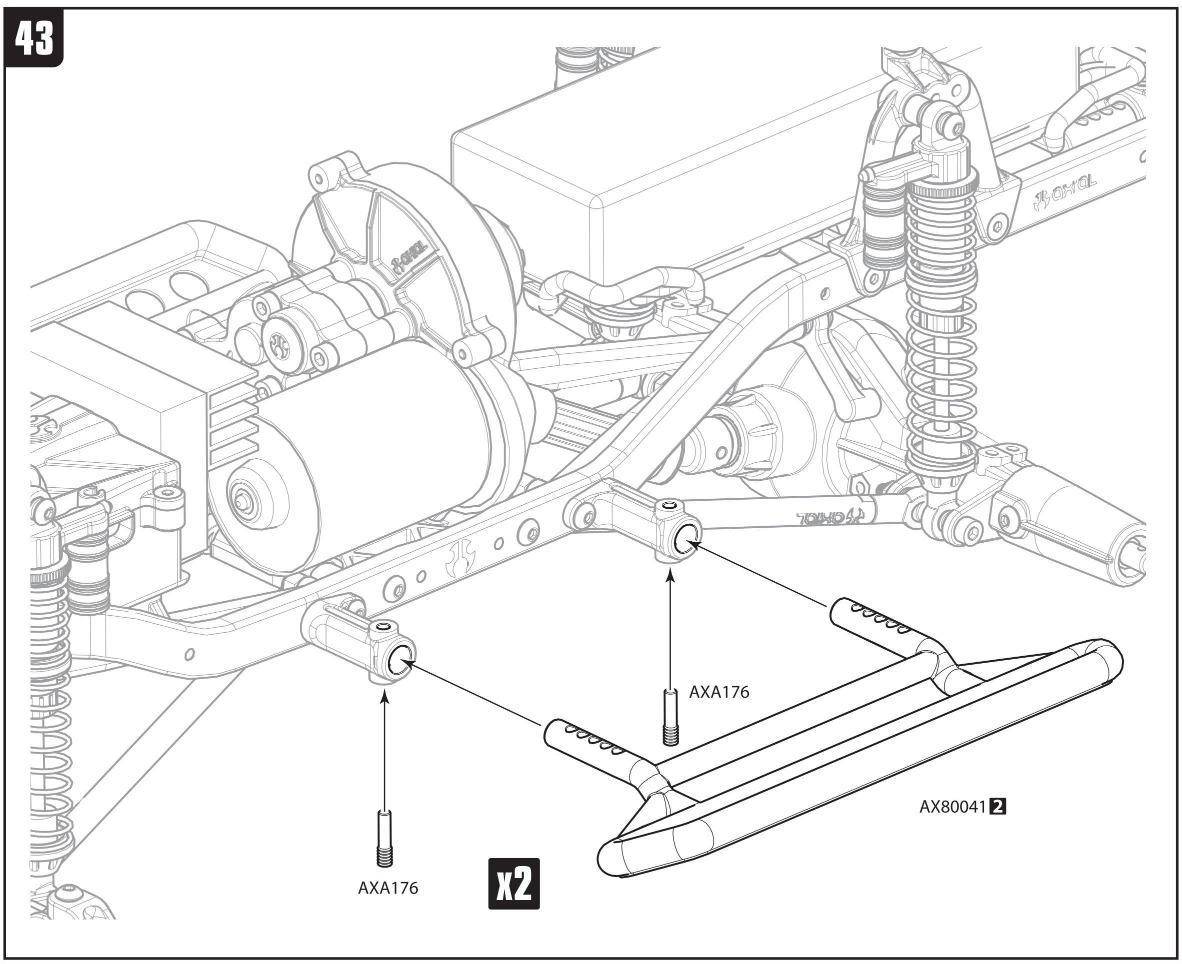
Optional Battery Mounting

AXA463
M3x6mm Hex Socket Tapping Flat Head **x1**

AXA471
M3x30mm Hex Socket Flat Head **x3**

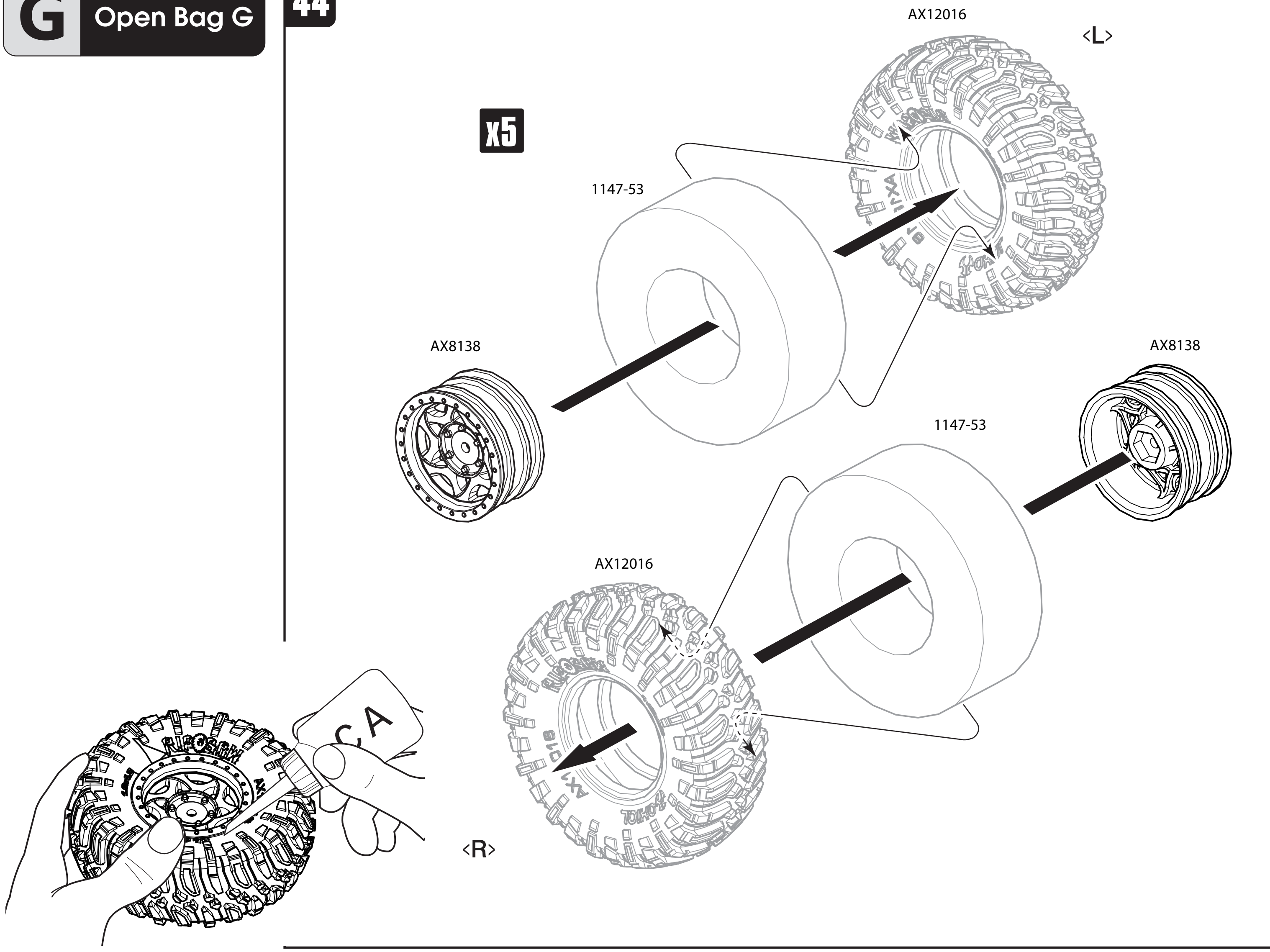


AXA176
M3x2.5x13mm Screw Shaft **x4**



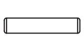
G Open Bag G

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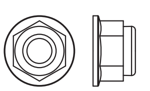




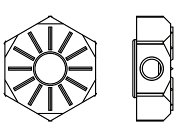
AXA180 x4
M3x3mm Set Screw



AXA30163 x4
Pin 2x10mm

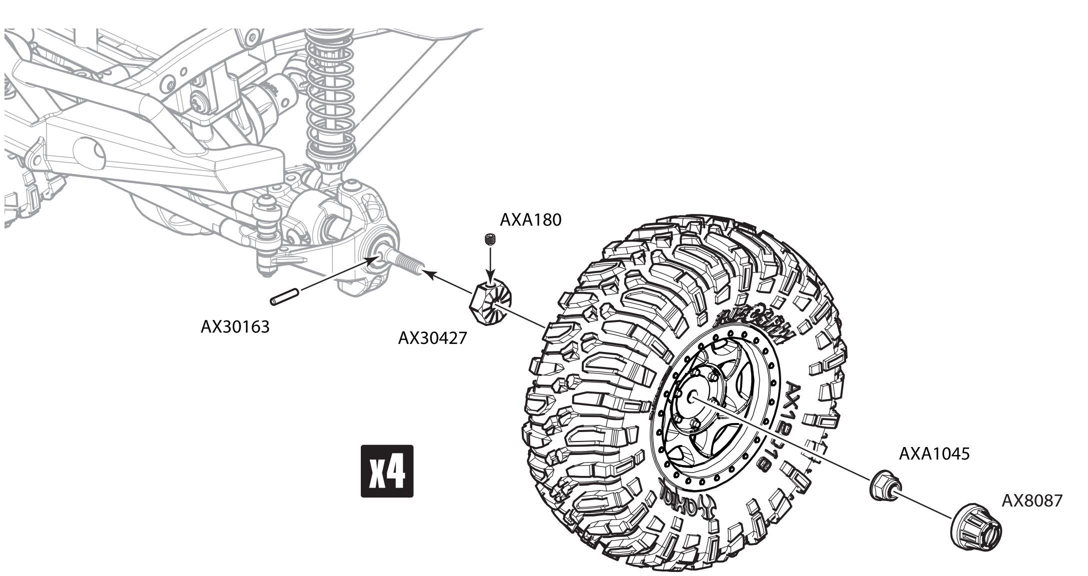


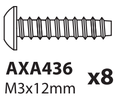
AXA1045 x4
M4 Nylon Lock Nut



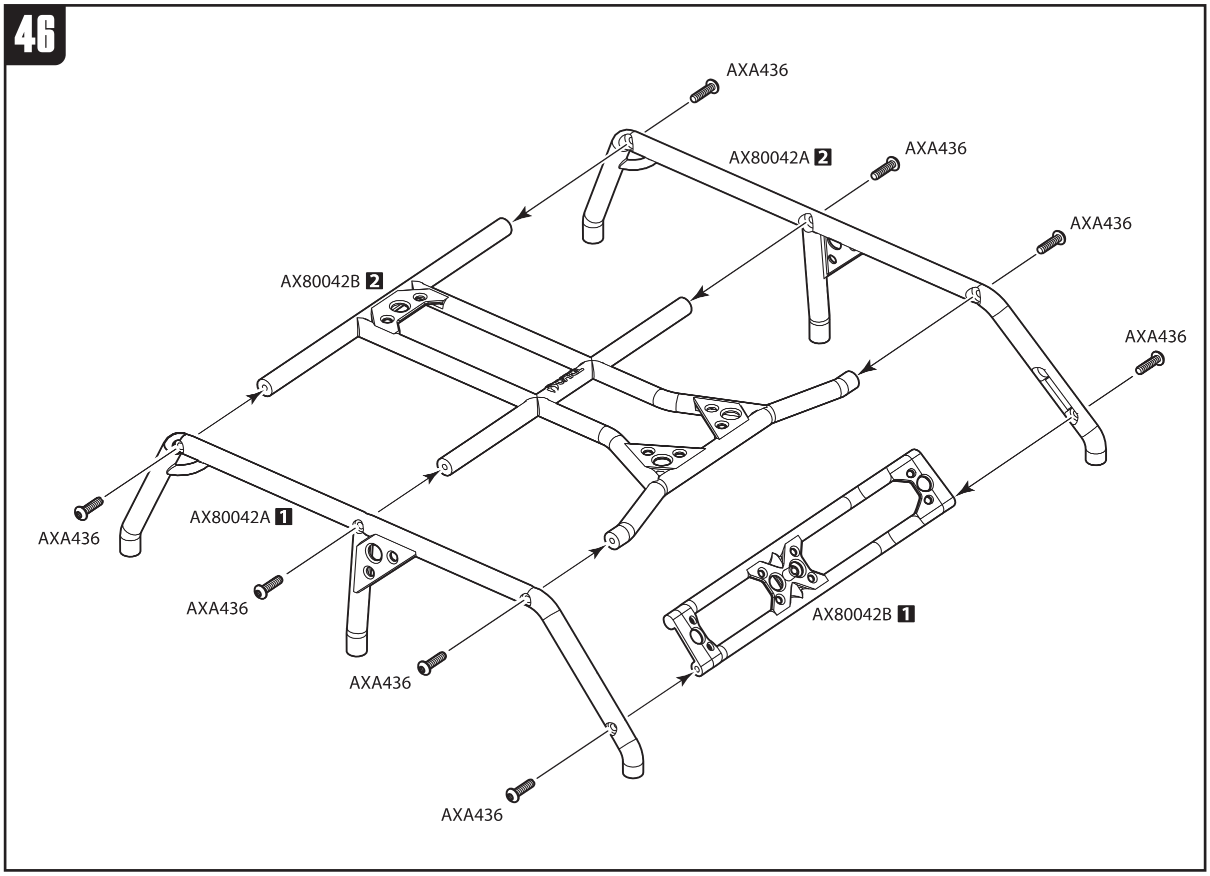
AX30427 x4
12mm Aluminum Hub

45

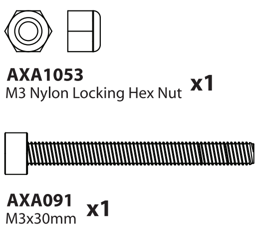




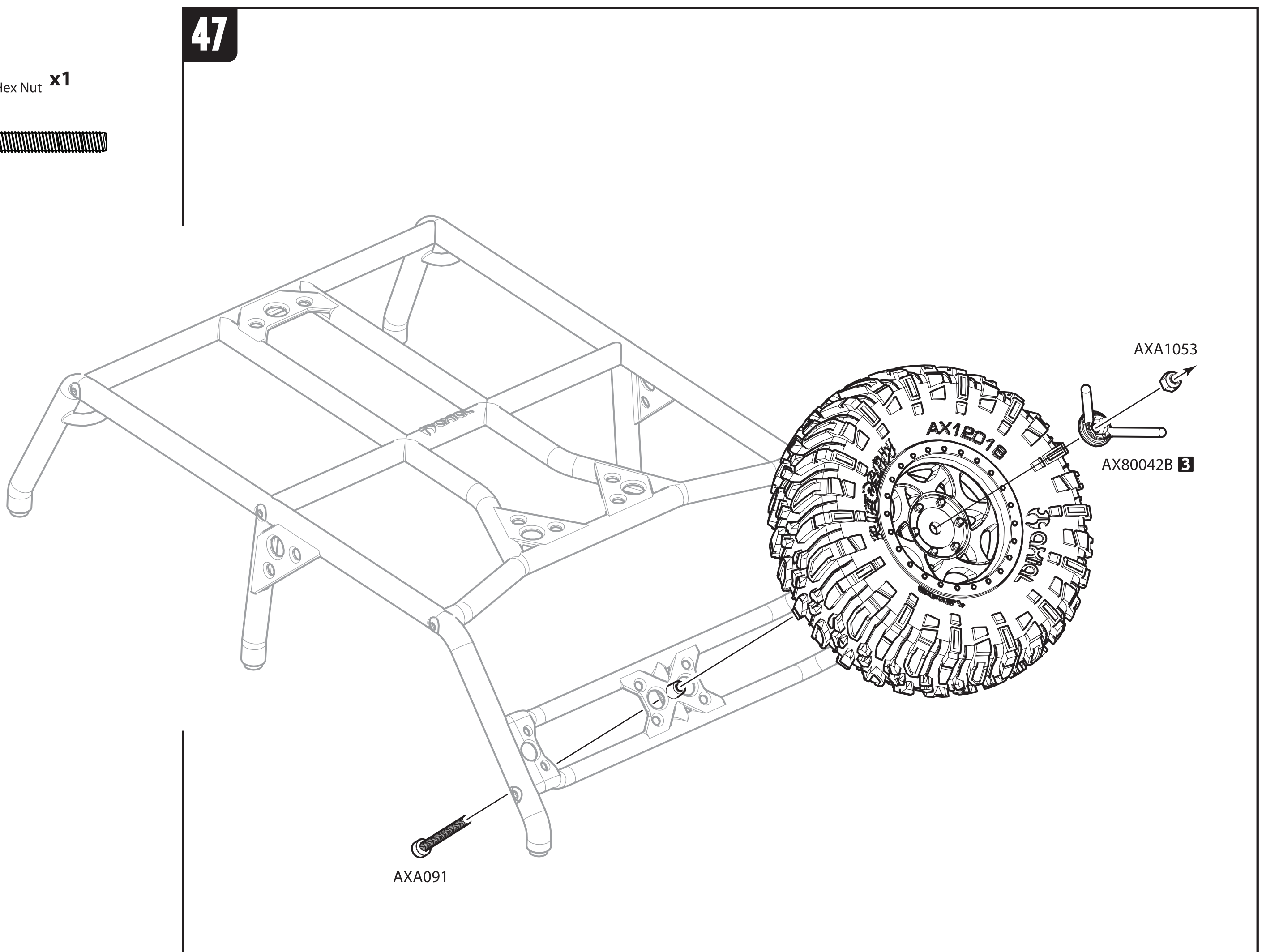
AXA436
M3x12mm
x8



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AXA436
AX80042A 2
AXA436
AXA436
AX80042B 2
AXA436
AXA436
AX80042A 1
AXA436
AXA436
AX80042B 1
AXA436
AXA436



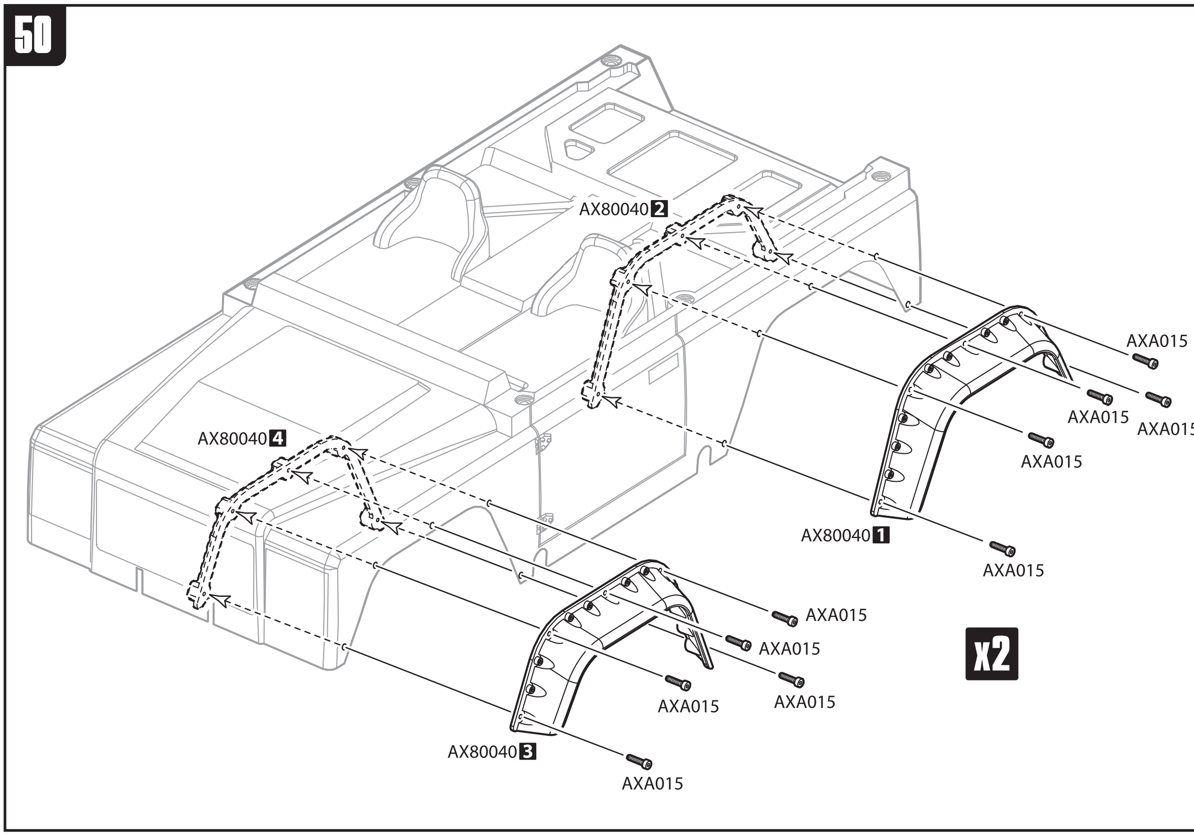
AXA1053
M3 Nylon Locking Hex Nut
x1
AXA091
M3x30mm
x1



47
AXA1053
AX12018
AX80042B 3
AXA091

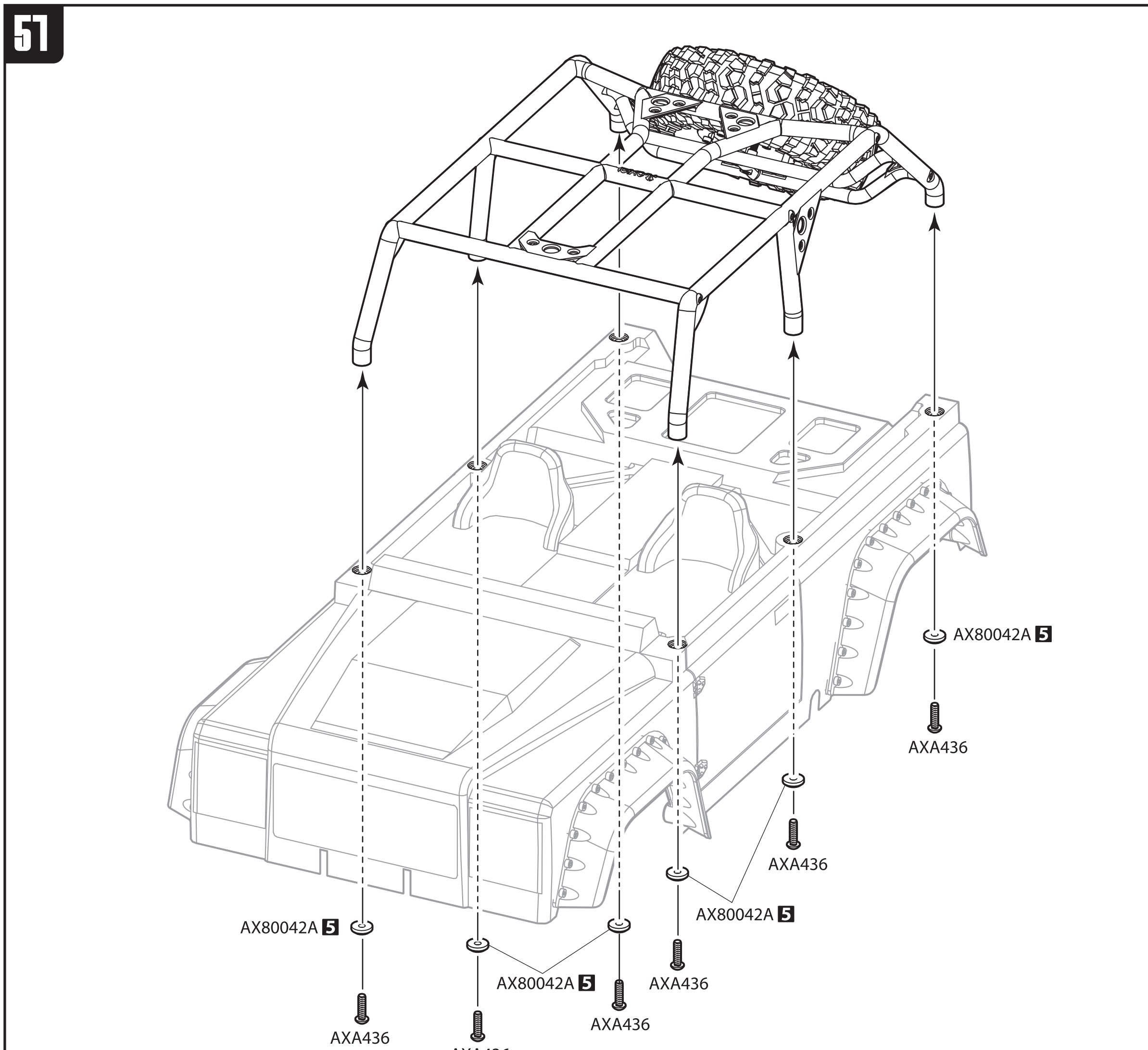
AXA015 M2x10mm **x20**

50



AXA436 M3x12mm **x6**

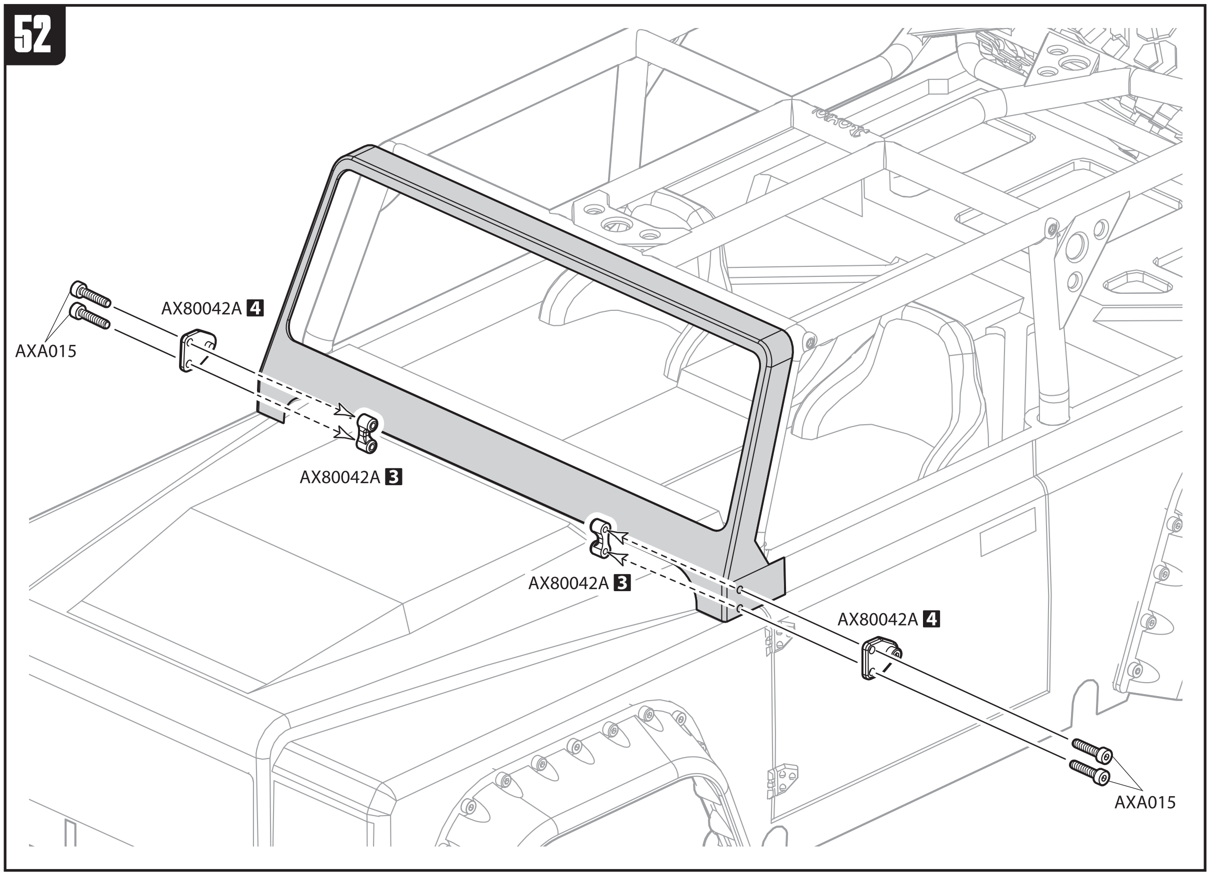
51





AXA015 x4
M2x10mm

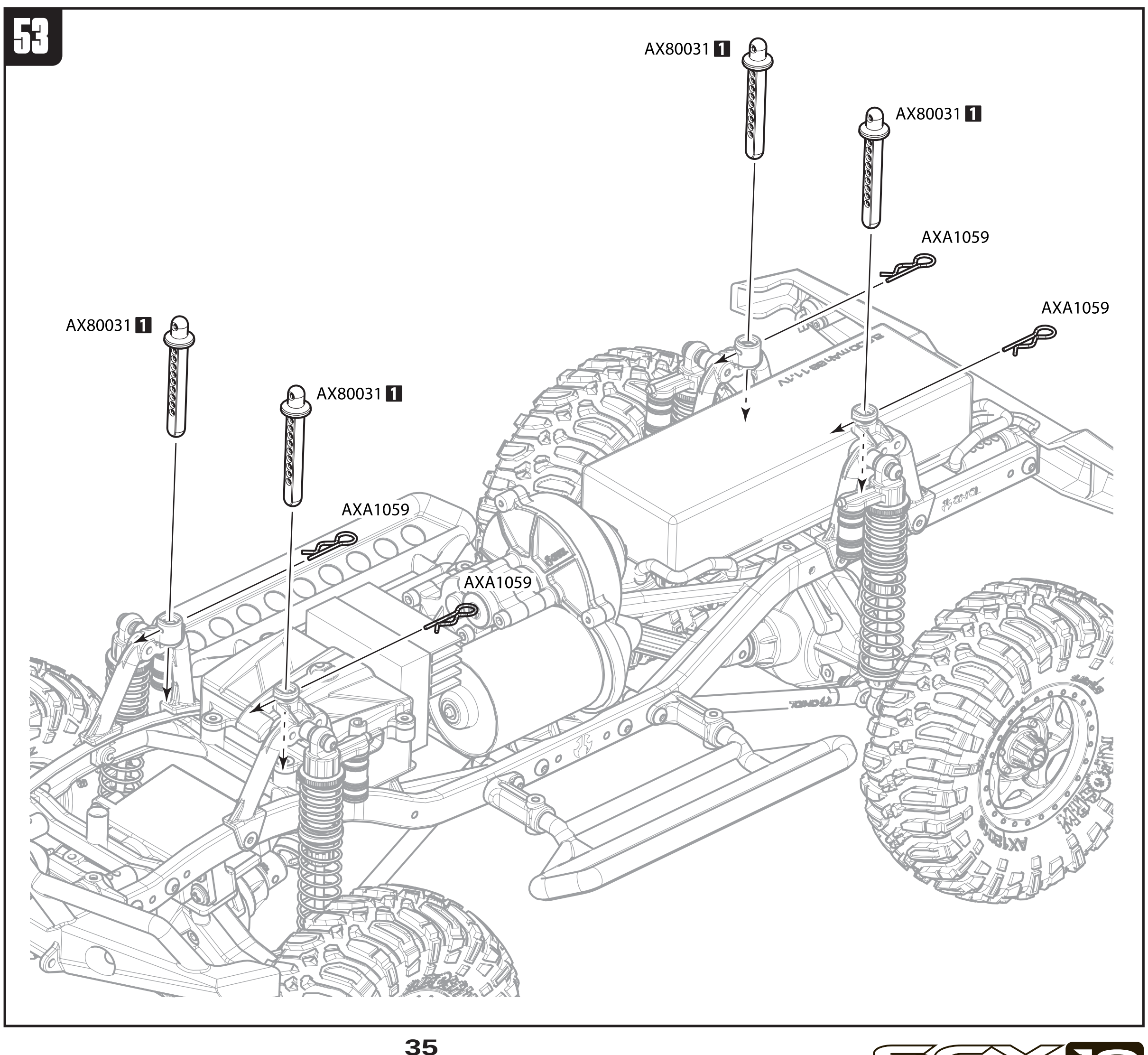
52





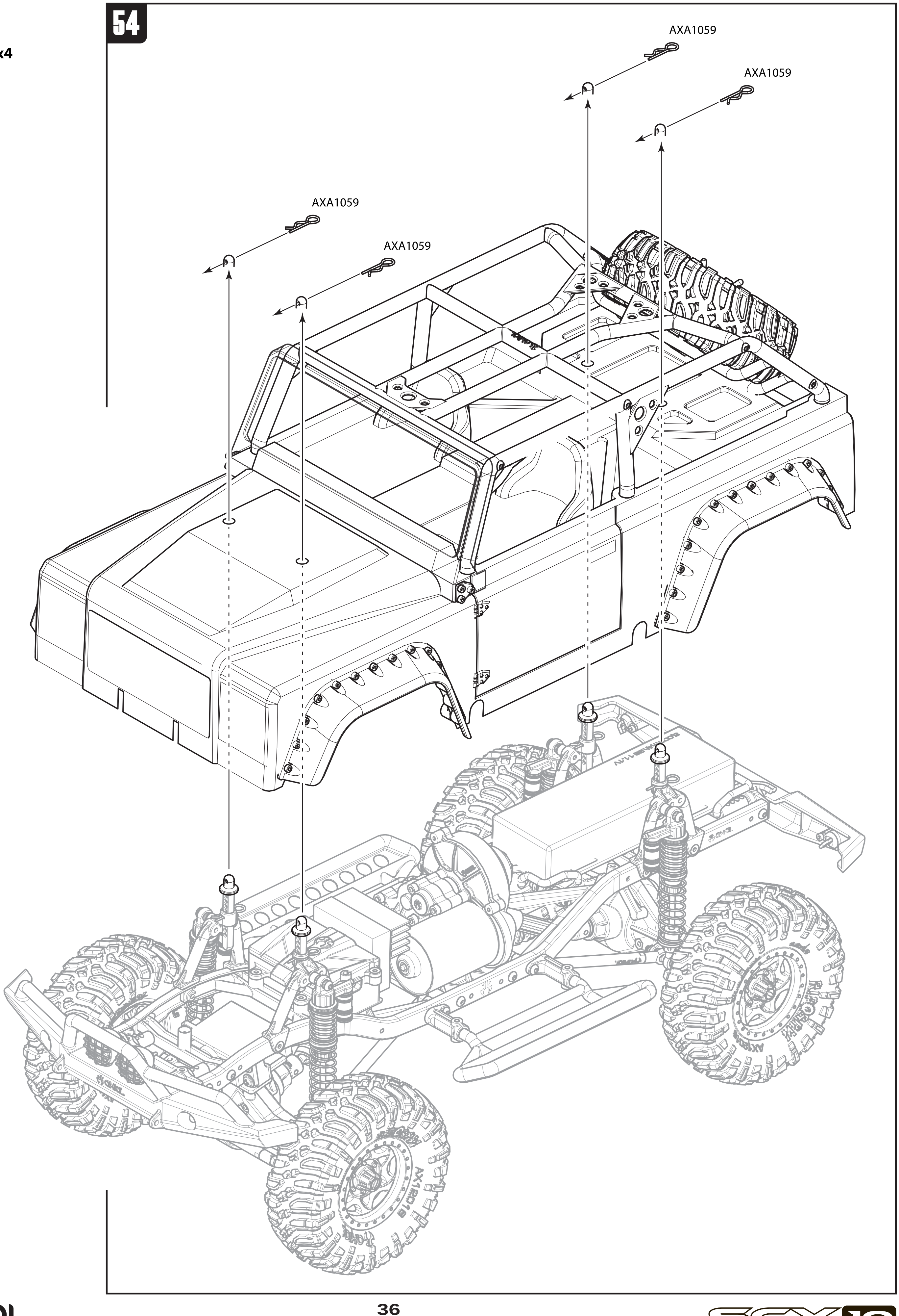
AXA1059 x4
6mm Body Clip

53



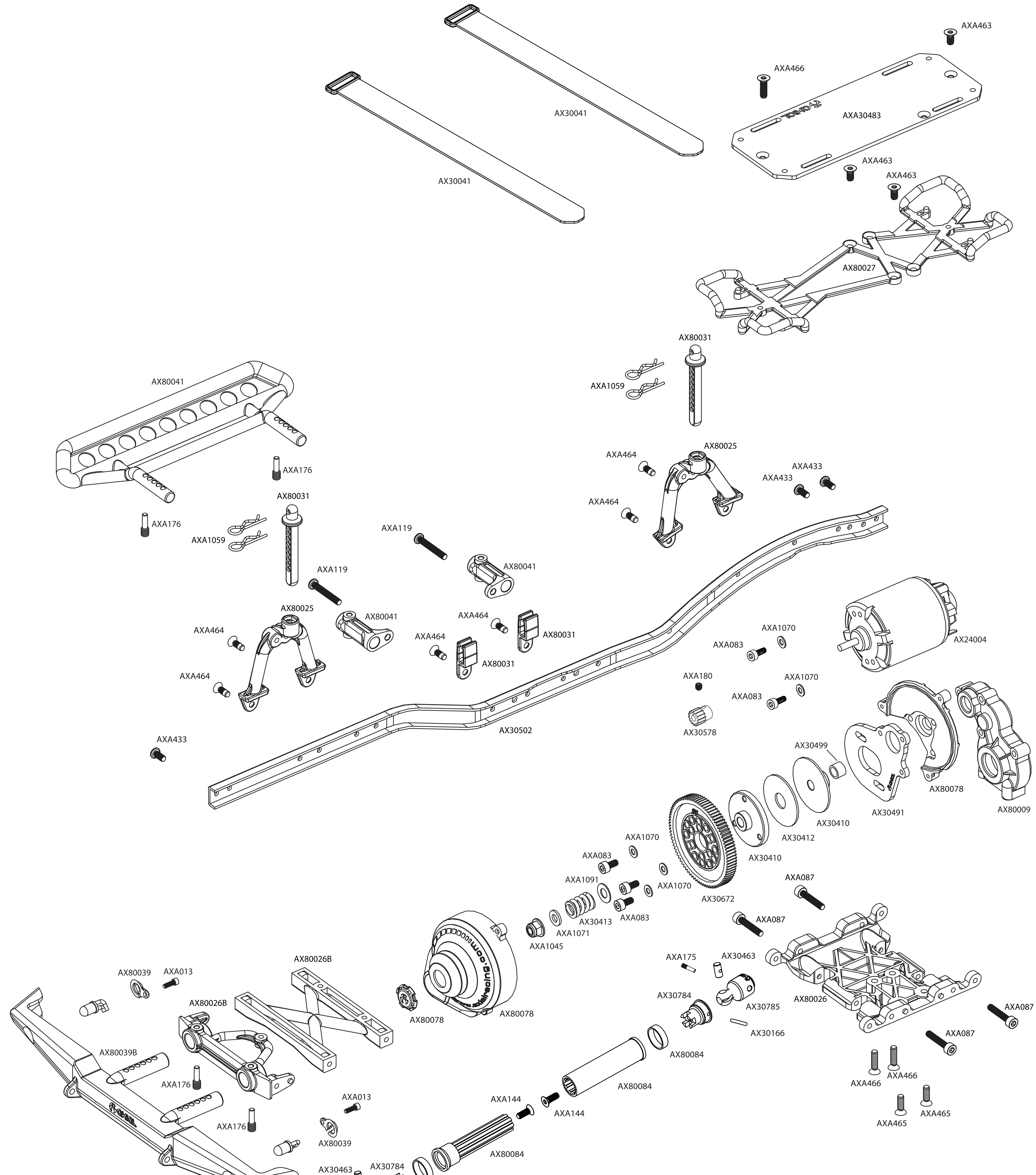


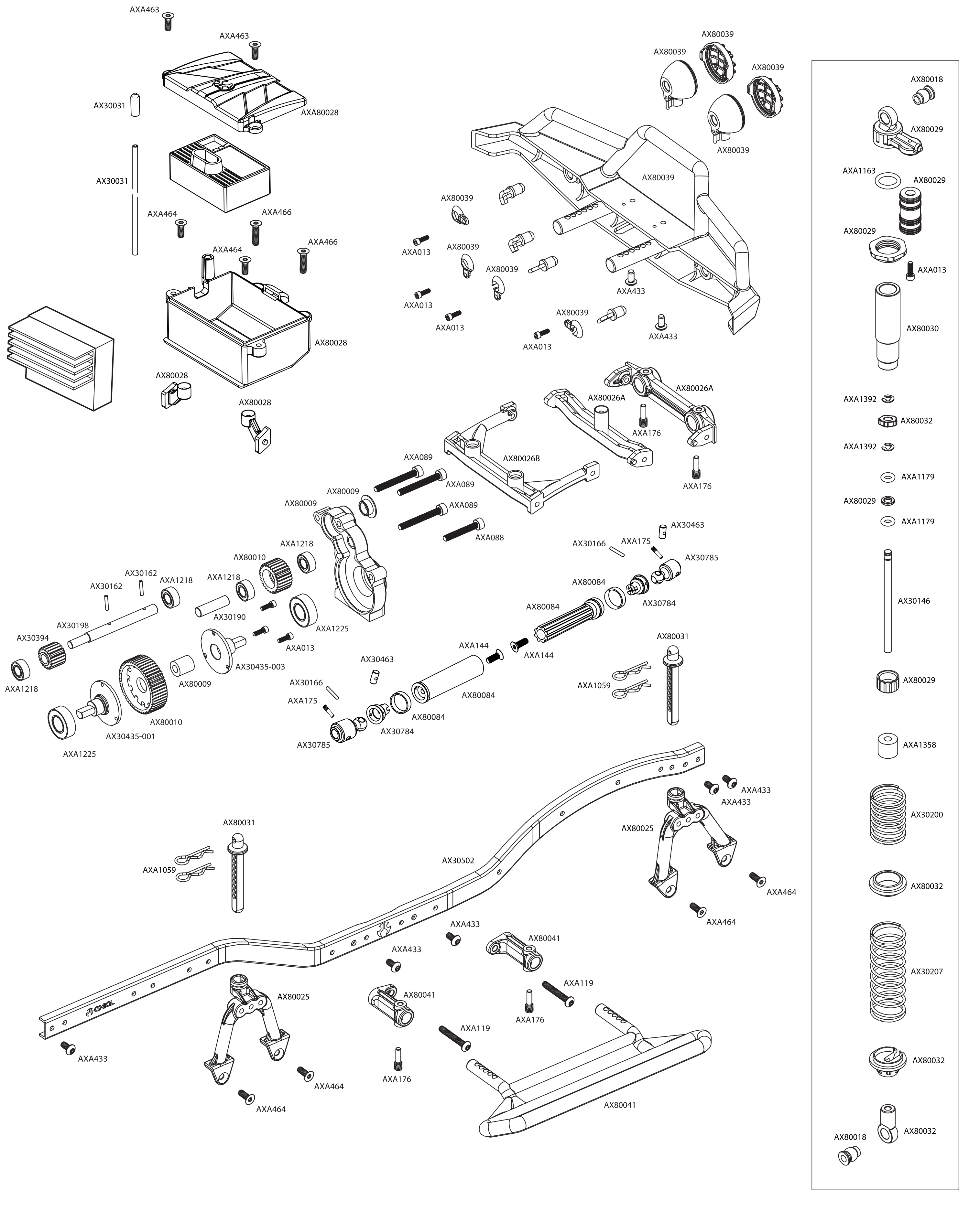
AXA1059 **x4**
6mm Body Clip




DESERT RUNNER
CRAWLER
TRAIL RUNNER
ROCK RACER
MUD BOGGER
TOUGH TRUCK
FORMULA OFF-ROAD
TIERRA DEL SOL
MUDDY MOTORPARK
OVERLAND ADVENTURE
HAMMERS
BAJA
DIRTY SOUTH CRAWLIN'
SAFARI
SAND DUNE BLAZING
MUD BOGGING
ROCK RACING
OVERLAND EXPEDITIONS
BACKYARD BASHING
DESERT EXPLORATION
MUD
SNOW
SAND
FOREST
DESERT
URBAN
READY-TO-RUN
WRAITH
1/10th SCALE ELECTRIC 4WD ROCK RACER
ANY CATEGORY, EVERY STYLE, ALL TERRAIN.
THE AXIAL WRAITH™ IS THE MOST VERSATILE PLATFORM; MAKING IT FUN WHEREVER YOU GO.
See the Wraith™ in action!
OFF ROAD
MOUNTAINOUS
ROCKY
DESERT
DO ANYTHING,
GO ANYWHERE.™
WRAITH
4WD
AX90018
axial
www.axialracing.com

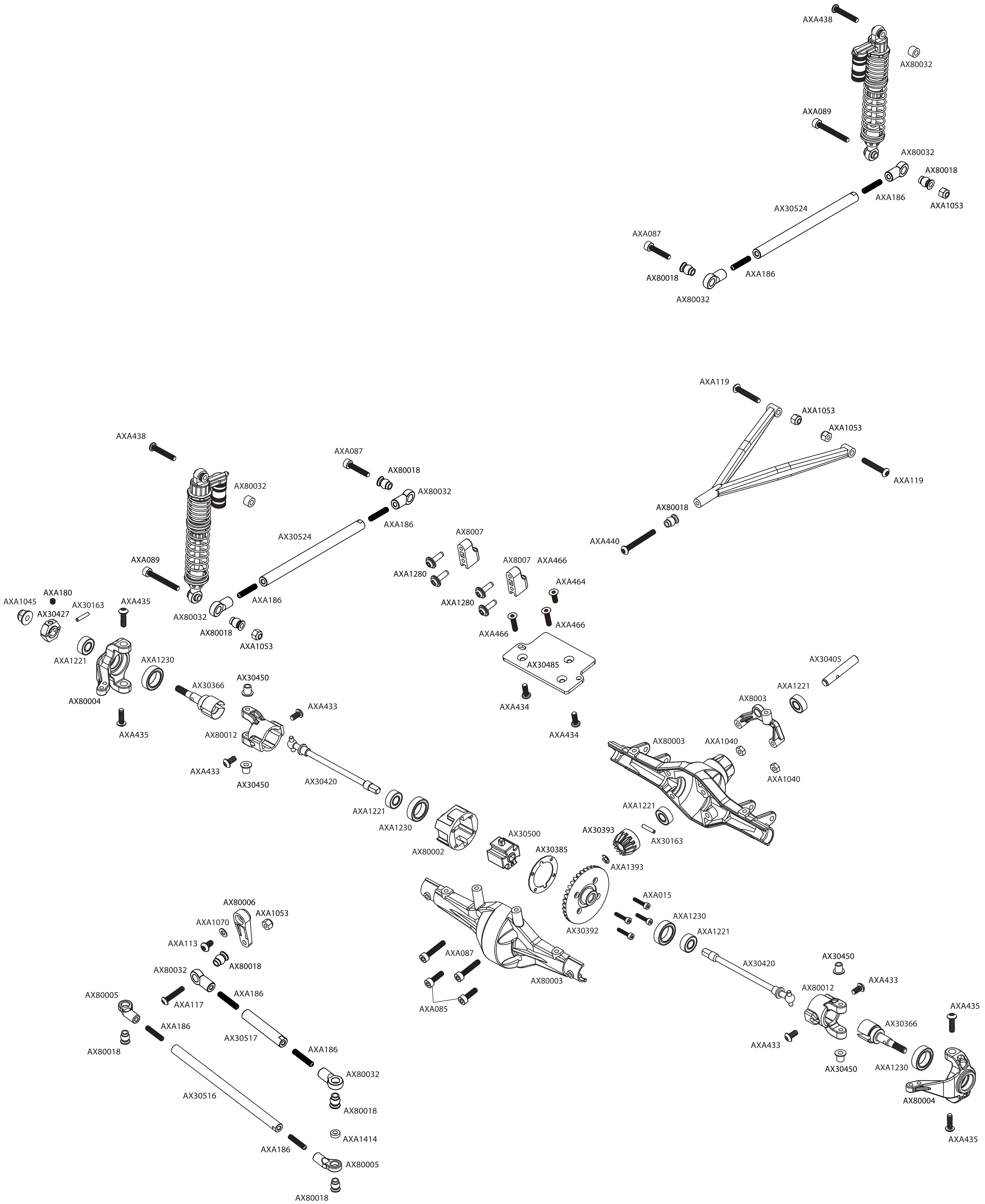
Exploded View / Explosionsansicht / Vue éclatée

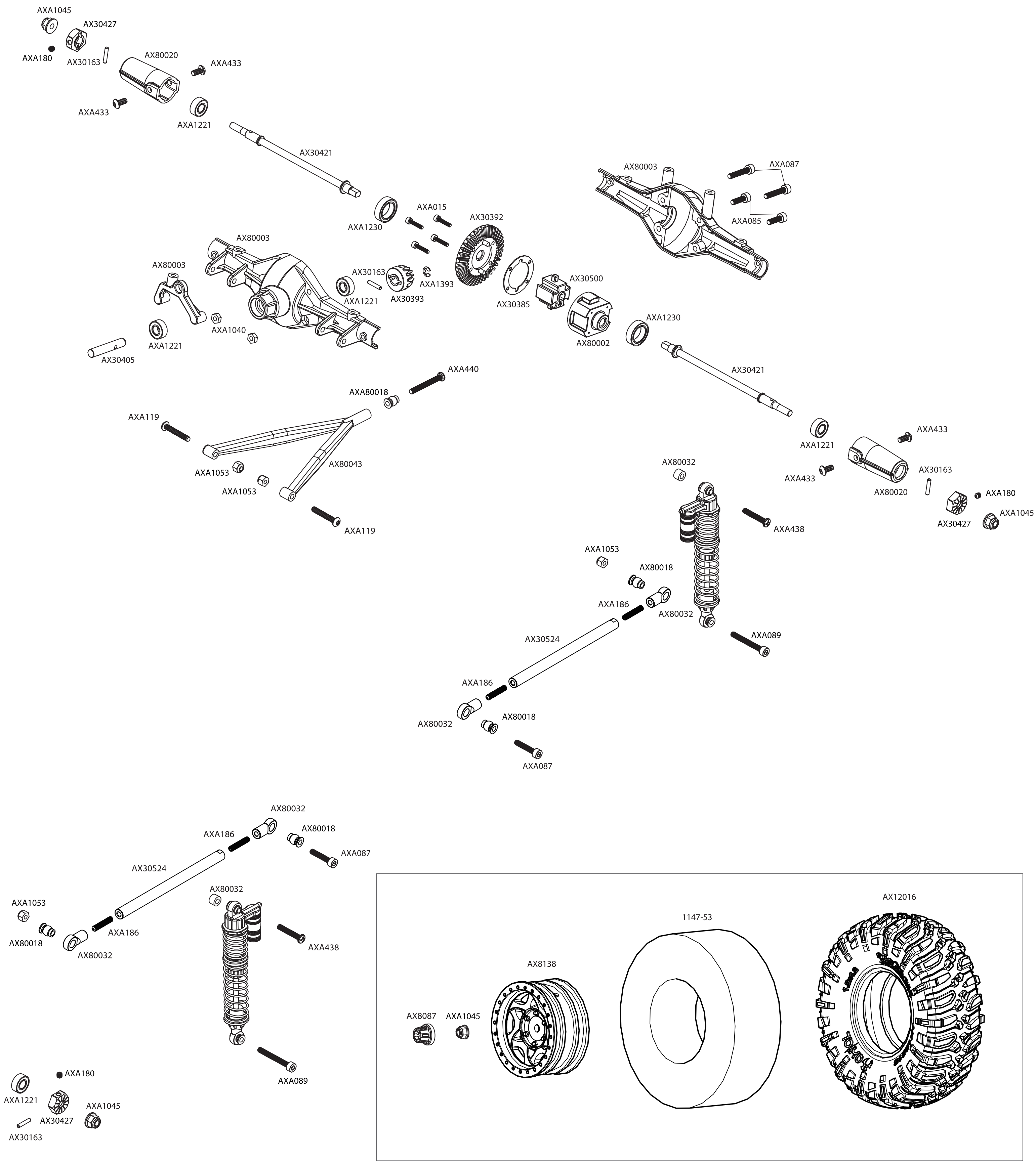



AXA463
AXA463
AX30031
AXA80028
AX30031
AXA464
AXA466
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AXA433
AXA013
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AX80026A
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AX80026B
AXA176
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AXA1225
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AX80030
AXA1392
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AXA1392
AXA1179
AX80029
AXA1179
AX30146
AX80029
AXA1358
AX30200
AX80032
AX30207
AX80032
AX80018
AX80032

SCX10

Exploded View / Explosionsansicht / Vue éclatée




AXA1045
AX30427
AXA180
AX30163
AX80020
AXA433
AXA433
AXA1221
AX30421
AX80003
AXA087
AXA085
AXA1230
AXA015
AX30392
AX80003
AX80003
AX30163
AXA1393
AX30393
AXA1221
AX30500
AX30385
AX80002
AXA1230
AXA1040
AXA1221
AX30405
AX30421
AXA440
AXA80018
AXA119
AX80043
AXA1053
AXA1053
AXA119
AXA1221
AXA433
AXA433
AX30163
AX80020
AXA180
AXA1045
AX30427
AX80032
AXA438
AXA1053
AX80018
AXA186
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AX30524
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AX30163
AX12016
1147-53
AX8138
AX8087
AXA1045

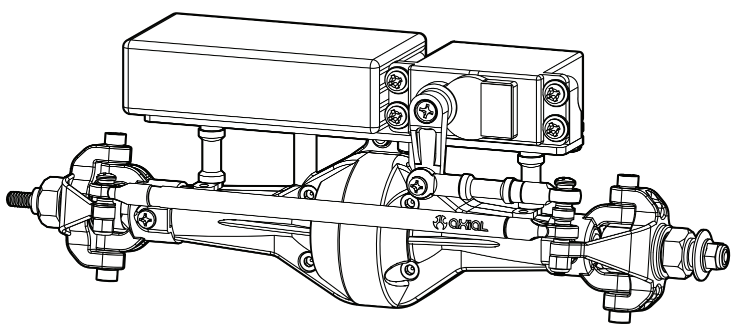
Batteries / Batterien

Optional Battery Mounting

The standard 7.2V stick pack can be mounted on the battery/radio tray as shown in the instructions. However this is not the most ideal mounting place for competitive rock crawling since it places most of the weight higher in the chassis. You can also use smaller packs (LiPo, Lithium Ion, receiver packs, etc.) that offer a much lower weight. Ideally you want the bulk of the weight to be over the front axle. If you plan on competing or simply want to improve the performance of your AX10 Scorpion it is recommended to relocate your batteries over the front axle. You can mount the battery pack on top of the steering servo using Velcro, plastic zip ties, or strapping tape. You can also mount the battery pack using the optional AX10 Scorpion Battery/Servo Plate (AX30486) as shown.

Optionale Akkubefestigung

Der normale 7,2V Stick Pack kann wie beschrieben auf die Elektronik Grundplatte montiert werden. Diese Position ist nicht der idealste Ort, da das Gewicht höher als das Chassis ist. Sie können auch kleinere Packs verwenden (LiPo, Lithium Ion, Empfängerpacks...) die leichter sind. Im Idealfall kommt das Gewicht über die Vorderachse. Wenn Sie ein Rennen mitfahren, oder die Leistung Ihres Wagens optimieren wollen wird empfohlen, die Akkus über die Vorderachse zu montieren. Sie können den Akkupack auf dem Lenkservo mit Klettverschluss, Kabelbinder oder Klebeband montieren. Sie können auch den Akku mit dem Option Part AX30486 nach Bedarf montieren.



Wheels - Tires / Räder - Ermüdet

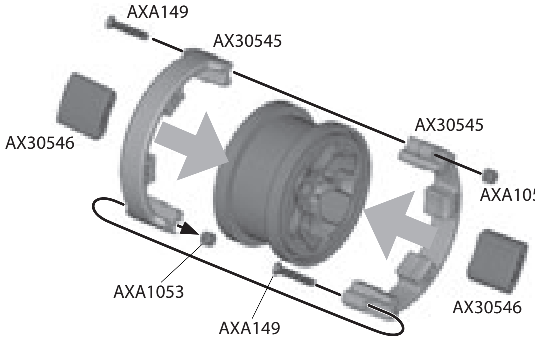
The AX10 Scorpion is set up to be competitive right out of the box, however terrain, weather and driving style all affect the performance of the chassis. You can fine tune performance of your AX10 Scorpion by adding weight, trimming the inner foam, and tuning your tires.

Der AX10 Skorpion ist konstruiert, um aus der Schachtel konkurenzfähig zu sein, jedoch beeinflussen Gelände, Wetter und Fahrstil die Leistung vom Chassis. Sie können die Leistung Ihres AX10 Skorpion durch hinzufügen von Gewichten, Trimmen der Reifeneinlage und der Reifenabstimmung einstellen.

Adding Weight / Addiergewicht

You can add weight to the front axle to improve traction. Most users will use stick on wheel weights that fit inside the tire and mount to the wheel, but you can also use Airsoft pellets or BB's. You will have to experiment to determine how much weight to add.

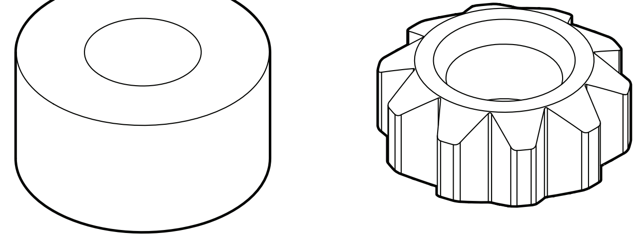
Sie können an der Vorderachse Gewicht hinzufügen um die Traktion zu verbessern. Die meisten Fahrer verwenden Aufsteckbare Rädergewichte die innerhalb des Reifens montiert werden, Sie können aber auch Airsoft Kugeln oder BB´s verwenden. Sie werden experimentieren müssen, um zu bestimmen, wieviel Gewicht Sie hinzufügen müssen.



Tire Flex / Reifen Flex

You can adjust the amount of tire flex you get by trimming your inner foam. Visit www.rccrawler.com to see all the choices you have before trimming your inner foams.

Sie können die Eigenschaften des Reifens durch trimmen der Reifeneinlage ändern. Besuchen Sie www.rccrawler.com, um Möglichkeiten für diese Änderung zu sehen, bevor Sie die Einlage bearbeiten.



Shock Absorbers / Dämpfer

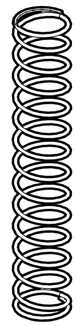
Proper building, maintenance, and tuning of your shocks will enhance the performance of your AX10 Scorpion. Be sure to inspect the shocks regulary for any sign of wear or damag and replace parts as needed. Tune your shocks to enhance the performance of your AX10 Scorpion using the tips provided below.

Ordnungsgemäßer Zusammenbau, Wartung und Abstimmung der Dämpfer wird die Leistung Ihres AX10 Skorpion erhöhen. Prüfen Sie unbedingt regelmäßig die Dämpfer auf Verschleiß und ersetzen Sie die nötigen Teile. Stimmen Sie Ihre Dämpfer ab wie untenstehend beschrieben, um die Leistung des Wagens zu erhöhen.



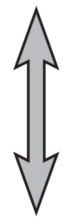
Shock Oil / Dämpferöl

Thinner / Dünner	Thicker / Dicker
Softer damping More traction Quicker weight transfer Weichere Dämpfung Mehr Griff Schnellere gewichtsverlagerung	Stiffer damping Slower chassis weight transfer Reacts slower to input Härtere Dämpfung Langsamere Gewichtsverlagerung Auto reagiert langsamer auf Steuerbefehle



Shock Spring / Dämpferfeder / Ressort d'amortisseur

Softer / Weicher
More Chassis Roll
Mehr rollbewegung des chassis



Soft

Firm

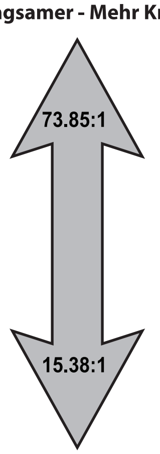
Less Chassis Roll
Weniger rollbewegung des chassis
Moins de roulis du châssis

Gear Ratio / Getriebeübersetzung

Use this equation to calculate the final drive ratio.
Final Drive Gear Ratio = 1 / ((pinion/Spur) X .13)

Mit dieser Gleichung können Sie die Gesamtübersetzung berechnen.
Gesamtübersetzung = 1 / ((pinion/Spur) X .13)

Slower - More Torque
Langsamer - Mehr Kraft



Faster - Less Torque
Schneller - Weniger Kraft

48 Pitch

Pinion \ Spur	70	72	75	78	81	85	87	90	93	96
10								69.23	71.54	73.85
11								62.94	65.03	67.13
12							55.77	57.69	59.62	61.54
13							51.48	53.25	55.03	56.80
14						46.70	47.80	49.45	51.10	52.75
15						43.59	44.62	46.15	47.69	49.23
16						40.87	44.62	43.27	44.71	46.15
17						36.32	39.37	40.72	42.08	43.44
18					34.62	34.41	37.18	38.46	39.74	41.03
19					32.79	34.41	35.22	36.44	37.65	38.87
20					31.15	32.69	33.46	34.62	35.77	36.92
21				28.57	29.67	31.14	31.87	32.97	34.07	35.16
22				27.27	28.32	29.72	30.42	31.47	32.52	33.57
23				26.09	27.09	28.43	29.10	30.10	31.10	32.11
24			24.04	25.00	25.96	27.24	27.88	28.85	29.81	30.77
25			23.08	24.00	24.92	26.15	26.77	27.69	28.62	29.54
26			22.19	23.08	23.96	25.15	25.74	26.63	27.51	28.40
27		20.51	21.37	22.22	23.08	24.22	24.79	25.64	26.50	27.35
28		19.78	20.60	21.43	22.25	23.35	23.90	24.73	25.55	26.37
29	18.57	19.10	19.89	20.69	21.49	22.55	23.08	23.87	24.67	25.46
30	17.95	18.46	19.23	20.00	20.77	21.79	22.31	23.08	23.85	24.62
31	17.37	17.87	18.61	19.35	20.10	21.09	21.59	22.33	23.08	23.82
32	16.83	17.31	18.03	18.75	19.47	20.43	20.91	21.63	22.36	23.08
33	16.32	16.78	17.48	18.18	18.88	19.81	20.28	20.98	21.68	22.38
34	15.84	16.29	16.97	17.65	18.33	19.23	19.68	20.36	21.04	21.72
35	15.38	15.82	16.48	17.14	17.80	18.68	19.12	19.78	20.44	21.10

Parts List

Part #	Description
AX08138	1.9 Walker Evans Street Wheel - Black (2pcs)
AX12016	1.9 Ripsaw Tires - R35 Compound (2pcs)
AX30031	Antenna
AX30041	Velcro Strap 15x160mm
AX30146	Shock Shaft 3x50 (2pcs)
AX30162	Pin 1.5x8mm (6pcs.)
AX30163	Pin 2.0x10 (6pcs.)
AX30166	Pin 1.5x11mm (6pcs)
AX30190	Shaft 5x18 (2pcs.)
AX30198	Slipper Drive gear Shaft 5x53.5
AX30200	Spring 12.5x20mm 3.6 lbs/in - Super Soft (Red)
AX30207	Spring 12.5x40mm 4.08 lbs/in - Medium (Green)
AX30366	Axle 5x35mm
AX30385	Diff Gasket 16x25x0.5mm (2pcs)
AX30392	Bevel Gear Set (38/13)
AX30394	20T Drive Gear
AX30408	Input Shaft 5x29mm (2pcs)
AX30410	Inner Slipper Plate
AX30411	Outer Slipper Plate
AX30412	Slipper pad 27x8x1mm
AX30413	Slipper spring 8.5x12 165 lbs/in - Black (2pcs)
AX30420	Solid Axle Dogbone 6x74mm
AX30421	Straight Axle 6x104.50mm (2pcs)
AX30427	Axial Narrow 12mm Aluminum Hub - Black (4pcs)
AX30435	Steel Outdrive Shaft Set (2pcs)
AX30450	Flange Pipe 3x4.5x5.5 (4pcs.)
AX30463	WB8 Universal Joint Rebuild Kit (2pcs)
AX30483	AX10 Scorpion Radio Plate
AX30485	AX10 Scorpion Servo Plate
AX30491	AX10 RTR Motor Plate
AX30499	Transmission Spacer 5x6.9x4.8mm - Grey (2pcs)
AX30500	Heavy Duty Locker (2pcs)
AX30502	SCX10 Chassis Rail Set (2pcs)
AX30517	Threaded Aluminum Pipe 6x33mm - Grey (2pcs.)
AX30524	Threaded Aluminum Pipe 6x91mm - Grey (2pcs)
AX30578	Pinion 48DP 20T
AX30672	Spur 48DP 87T
AX30784	WB8 Driveshaft Coupler Set
AX4010	Axial Dingo Truck Body - .040" uncut (Clear)
AX80002	Diff Case -Small
AX80003	Solid Axle Set
AX80004	Hub Set
AX80005	Linkage Set
AX80006	Servo Set
AX80009	Transmission Set
AX80010	Gear Set
AX80011	Drive Shaft Set
AX80012	C Hub Carrier Set
AX80018	Hardware Parts Tree
AX80020	Straight Axle Adapter Parts Tree
AX80025	SCX10 Shock Hoops Parts Tree
AX80026	SCX10 Frame Brace Set
AX80027	SCX10 Battery Tray Holder
AX80028	SCX10 Radio Box Parts Tree
AX80029	Shock Cap Parts Tree
AX80030	61-90 Shock Body Set
AX80031	Body Mount Parts Tree
AX80032	Shock Parts
AX80039A	1/10th Scale Front Plate Bumper Set
AX80039B	1/10th Scale Rear Plate Bumper Set
AX80040	1/10th Scale Fender Flare Set (2pcs)
AX80041	1/10th Scale Rock Rails Set (2pcs)
AX80042	1/10th Scale Roll Cage
AX80043	SCX10 RTR Links Parts Tree

Part #	Description
AX80078	Transmission Spur Gear Cover
AX80084	WB8 Driveshaft
AX8079	Axial Hub Cover Set - Black (4pcs)
AXA0113	M3x6mm Hex Socket Button Head (Black) (10pcs)
AXA013	M2x6mm Cap Head (Black Oxide)
AXA015	M2x10mm Cap Head (Black Oxide)
AXA0175	Screw Shaft M3x2.5x11mm (10pcs)
AXA0414	M2.6x10mm Hex Socket Tapping Flat Head (Black) (10pcs)
AXA083	M3x6mm Cap Head (Black Oxide)
AXA085	M3x10mm Cap Head (Black Oxide)
AXA087	M3x16mm Cap Head (Black Oxide)
AXA088	M3x20mm Cap Head (Black Oxide)
AXA089	M3x25mm Cap Head (Black Oxide)
AXA091	M3x30mm Cap Head - Black (10pcs)
AXA1040	M3 Thin Hex Nut (BLACK)
AXA1045	M4 Nylon Lock Nut (Black)
AXA1052	M3 Thin Nylon Locking Hex Nut (Black)
AXA1053	M3 Nylon Locking Hex Nut (BLACK)
AXA1059	6mm Body clip (Black)
AXA1070	Washer 3x6x0.5
AXA1071	Washer 4x8x0.5mm
AXA1091	Washer 5x10x.5 (Black) (10pcs)
AXA1163	O-Ring 7x1mm
AXA117	M3x15mm Hex Socket Button Head (Black) (10pcs)
AXA1179	O-Ring 2.5x1.5mm (10pcs)
AXA119	M3x20mm Hex Socket Button Head (Black) (10pcs)
AXA120	M3x25mm Hex Socket Button Head (Black) (10pcs)
AXA1218	Bearing 5x10x4mm
AXA1221	Bearing 5x11x4mm
AXA1225	Bearing 8x16x5mm
AXA1230	Bearing 10x15x4mm
AXA1280	M3x10mm Servo Flange Screw
AXA1358	Shock Damper 3x7x8 (10pcs)
AXA1392	E2 e-clip (10pcs)
AXA1393	E2.5 e-clip (10pcs)
AXA1414	2x6mm Spacer - Grey (6pcs)
AXA144	M3x8mm Hex Socket Flat Head (Black) (10pcs)
AXA176	Screw Shaft M3x2.5x12mm (10pcs)
AXA180	M3x3mm Set Screw (Black Oxide) (10pcs)
AXA186	M3x16mm Set Screw (Black) (10pcs)
AXA433	M3x6mm Hex Socket Tapping Button Head (Black) (10pcs)
AXA434	M3x8mm Hex Socket Tapping Button Head (Black) (10pcs)
AXA435	M3x10mm Hex Socket Tapping Button Head (Black) (10pcs)
AXA436	M3x12mm Hex Socket Tapping Button Head (Black) (10pcs)
AXA438	M3x18mm Hex Socket Tapping Button Head (Black) (10pcs)
AXA440	M3x25mm Hex Socket Tapping Button Head (Black) (10pcs)
AXA463	M3x6mm Hex Socket Tapping Flat Head (Black) (10pcs)
AXA464	M3x8mm Hex Socket Tapping Flat Head (Black) (10pcs)
AXA465	M3x10mm Hex Socket Tapping Flat Head (Black) (10pcs)
AXA466	M3x12mm Hex Socket Tapping Flat Head (Black) (10pcs)

Option parts/upgrades

AX24004	Axial 27T Electric Motor
AX04026	Hardline Crawler Body - .040" (Clear)
AX04028	Wraith Interior Set - .040" (Clear)
AX24007	Axial 55T Electric Motor
AX24206	2.4GHz Radio System (2 Channel) (AX-3, AR-3)
AX24251	Axial NVS - Night Visions System
AX24252	Axial Double LED Light String (White LED)
AX24253	Axial Double LED Light String (Red LED)
AX24254	Axial Double LED Light String (Orange LED)
AX24255	Axial Single LED Light String (White LED)
AX24256	Axial 5 LED Light String (White LED)
AX24257	Simple LED Controller w/LED lights

Option parts/upgrades

Part #	Description
AX24259	Axial AE-2 Forward/Reverse ESC w/Drag Brake
AX30200	Spring 12.5x20mm 3.6 lbs/in - Super Soft (Red) - (2pcs)
AX30201	Spring 12.5x20mm 4.32 lbs/in - Soft (White) - (2pcs)
AX30202	Spring 12.5x20mm 5.44 lbs/in - Medium (Green) - (2pcs)
AX30203	Spring 12.5x20mm 6.53 lbs/in - Firm (Yellow) - (2pcs)
AX30204	Spring 12.5x20mm 7.95 lbs/in- Super Firm (Blue) - (2pcs)
AX30205	Spring 12.5x40mm 2.7 lbs/in - Super Soft (Red) - (2pcs)
AX30206	Spring 12.5x40mm 3.6 lbs/in - Soft (White) - (2pcs)
AX30207	Spring 12.5x40mm 4.08 lbs/in - Medium (Green) - (2pcs)
AX30208	Spring 12.5x40mm 5.44 lbs/in - Firm (Yellow) - (2pcs)
AX30209	Spring 12.5x40mm 6.81 lbs/in- Super Firm (Blue) - (2pcs)
AX30395	Heavy Duty Bevel Gear Set
AX30460	AX10 Scorpion Universal Joint Axle (2pcs)
AX30461	AX10 Scorpion Universal Joint Axle Shaft (2pcs)
AX30462	AX10 Scorpion Universal Joint Rebuild kit (2pcs)
AX30464	AX10 Scorpion Universal Set (2pcs)
AX30492	AX10 Scorpion Rear Steer Kit
AX30494	Aluminum Rear Axle Lockout (2pcs)
AX30495	Aluminum C Hub Carrier - Black (2pcs)
AX30496	Aluminum Knuckle - Black (2pcs)
AX30578	Pinion 48DP 20 T
AX4000	Axial War Wagon Truck Body .060 Pre-Cut Clear
AX4001	Axial Baja Buzzard Truck Body .060 Pre-Cut Clear
AX4002	Axial Diablo Truck Body .060 Pre-Cut Clear
AX4004	Axial B-17 Betty Truck Body - .060 Pre-Cut (Clear)
AX4009	Axial Trail Ranger Truck Body - .040" (Clear)

Part #	Description
AX4010	Axial Dingo Truck Body - .040" uncut (Clear)
AX4010R	Axial Dingo Truck Body - .040" uncut (Clear) - Body Only
AX4010R	Axial Dingo Truck Body - .040" uncut (Clear) - Body Only
AX4011	CF-100 Interior Set (clear)
AX4014	Axial XC-1 Rock Crawler Body - .040" (Clear)
AX4016	34 Rat Rod Truck (Clear)
AX4025	Axial Trail Honcho Truck Body - .040" uncut (Clear) w/Molded Rear Cage
AX4025	Axial Trail Honcho Truck Body - .040" uncut (Clear) w/Molded Rear Cage
AX4025R	Axial Trail Honcho Truck Body - .040" uncut (Clear) - Body Only
AX4025R	Axial Trail Honcho Truck Body - .040" uncut (Clear) - Body Only
AX80039A	1/10th Scale Front Plate Bumper Set
AX80039B	1/10th Scale Rear Plate Bumper Set
AX80040	1/10th Scale Fender Flare Set
AX80041	1/10th Scale Rock Rails Set
AX80042	1/10th Scale Roll Cage
AX8080	Axial Hub Cover Set - Satin Chrome (4pcs)
AX8087	Axial 1.9 8 Hole Beadlocks - Black (2pcs)
AX8088	Axial 1.9 8 Hole Beadlocks - Satin Chrome (2pcs)
AX8119	Axial 1.9 Beadlock Ring - Green (2pcs)
AX8122	Axial 1.9 Beadlock Ring - Grey (2pcs)
AX8123	Axial 1.9 Beadlock Ring - Orange (2pcs)
AX8124	Axial 1.9 Rock Beadlock Ring -Green (2pcs)
AX8127	Axial 1.9 Rock Beadlock Ring - Grey (2pcs)
AX8128	Axial 1.9 Rock Beadlock Ring - Orange (2pcs)
AXA1105	Cone Washer 3x6.9x2mm - Grey (6pcs)
AXA1331	Flanged Ball 3x5.8x7mm (6pcs)

Warranty Info

Axial Limited Warranty (USA)

Your Axial product is warranted to be free of defects in materials and workmanship when new. This warranty does not cover damages due to normal wear and tear, user's failure to perform routine maintenance, user error of assembly or installation, user modifications, addition of aftermarket parts or option parts. This warranty lasts as long as the original purchaser owns the product, and is not transferable (Verified by dated itemized sales receipt). In the event of a defect under this warranty, Axial will, at our discretion, repair or replace the product, provided our inspection indicates that an original defect exists. Axial reserves the right to replace any product which is no longer available with a product of comparable value and function. If Axial determines the repair is not covered under warranty guidelines, there could be a charge applied for the repair and return shipping charges.

International Customers Warranty

Please return product to the dealer where the purchase was made. If your Axial product purchase was made through an on-line retailer, any warranty issues must be taken care of by that retailer. Axial assumes no responsibility for Axial products sold internationally by on-line retailers.

Service

If you need service on your Axial product here are some simple steps to follow when sending in product in for Warranty/ Repair.

STEP 1:
Contact Axial Customer Service at 949-600-8642 Ext: 206 to receive a Return Merchandise Number (RMA#). **Note:** Axial requires the RMA# to be placed on the return merchandise box when shipped to Axial.

STEP 2:
Please write a short note explaining the issue you experienced with the product.

STEP 3:
Include your return address with a daytime phone number and /or e-mail address.

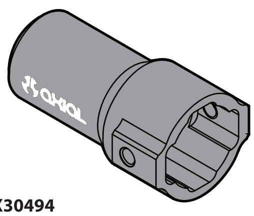
STEP 4:
Please include a Money Order in the amount $10.00 made payable to Axial for return shipping costs although If product is found to be under Axial Warranty coverage, the $10.00 will be refunded to you.

PLEASE NOTE: Tuning issues are not covered under the Axial Warranty and shipping fee's do apply.

Please allow 5-10 working days for product to be returned. Axial ships using United Postal Service Priority mail or UPS Ground. Any expedited shipping must be arranged and prepaid by customer. Axial will not be responsible for lost or damaged packages.

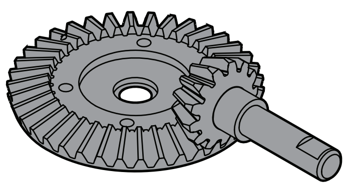
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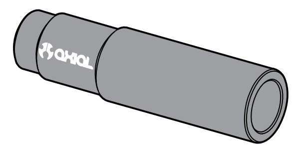
Option Parts



AX30494
Aluminum Straight Axle Adapter

AX30395
Heavy Duty Bevel Gear Set

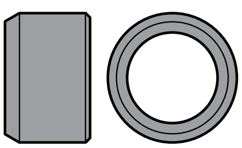




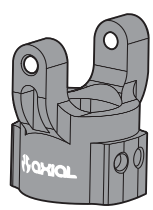
AX30117
Aluminum Shock Body 10x38mm



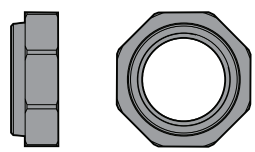
AX30114
Aluminum Shock Reservoir-SCX10



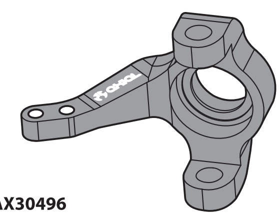
AX30501
Driveshaft ring w/setscrews



AX30495
ALuminum C Hub Carrier



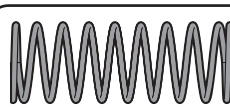
AX30115
10mm Aluminum Preload Collar



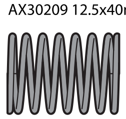
AX30496
Aluminum Knuckle



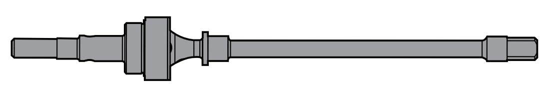
AX30482
AX10 Scorpion Motor Plate



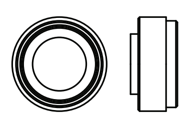
Spring
AX30205 12.5x40mm 2.7 lbs/in - Super Soft (Red)
AX30206 12.5x40mm 3.6 lbs/in - Soft (White)
AX30207 12.5x40mm 4.08 lbs/in - Medium (Green)
AX30208 12.5x40mm 5.44 lbs/in - Firm (Yellow)
AX30209 12.5x40mm 6.81 lbs/in - Super Firm (Blue)



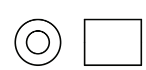
Spring
AX30200 12.5x20mm 3.6 lbs/in - Super Soft (Red)
AX30201 12.5x20mm 4.32 lbs/in - Soft (White)
AX30202 12.5x20mm 5.44 lbs/in - Medium (Green)
AX30203 12.5x20mm 6.53 lbs/in - Firm (Yellow)
AX30204 12.5x20mm 7.95 lbs/in - Super Firm (Blue)



AX30464
AX10 Scorpion Universal Joint



AX30484
Transmission Spacer **x1**



AXA1307
7.5x6mm Spacer **x3**

Notes

DO ANYTHING, GO ANYWHERE.™

8 Goodyear
Suite 125
Irvine, CA 92618

AX90021-I001